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SEQUENCE LISTING

<110> Craig Rosen,
Steve Ruben

<120> Human Prostate Cancer Associated Gene Sequences and Polypeptides

<130> PA101PCT

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<141> 2000-03-08

<150> 60/124,270

<151> 1999-03-12

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<170> PatentIn Ver. 2.0

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<222> (1478)

<223> n equals a,t,g, or c

<400> 11

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<210> 12

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1407)

<223> n equals a,t,g, or c

<400> 12

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<210> 13

<211> 3548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1103)

<223> n equals a,t,g, or c

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<210> 14

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 14

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tatcatctac ttaaaggctt tggttackkc ttgccaattt ctcgtctgta tgcaaagtac 420
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<210> 15

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 15

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<210> 16

<211> 2805

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 16

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<210> 17

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (608)

<223> n equals a,t,g, or c

<400> 17

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<210> 18

<211> 992

<212> DNA

<213> Homo sapiens

<400> 18

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<210> 19

<211> 1795

<212> DNA

<213> Homo sapiens

<400> 19

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<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (708)

<223> n equals a,t,g, or c

<400> 20

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<211> 649

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

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<221> misc feature

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<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<400> 21

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<210> 22

<211> 1607

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (820)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<400> 22

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<210> 23

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 23

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<211> 2756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<400> 24

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<210> 25

<211> 2680

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 26

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<210> 27

<211> 634

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
 <222> (525)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (629)
 <223> n equals a,t,g, or c

<400> 27
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 gttccaggga acagctgctt ctctggggct gggctctact ccctgcagcc cctcgcacta 180
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 ggcaatgctg tgagagccat tggaagactg tcctctatgg caatgatctc agggctcagt 300
 ggcaggaaat cctcaacagg gtcaccaacc agcccgtca atgcagaaaa actagaatct 360
 gaagaagatg tgtccaagc tttccttgag gctgttgctg aggaaaagcc tcatgtaaaa 420
 ccctatttct ctaagacat tcgcgattta gaagttgttg agggaagtgc tgctagattt 480
 gactgcaaga ttgaaggata cccagacccc gaggttgctt ggttncaaag atggaccagt 540
 tcaatcaggg agtcccgcga ntttccagat agaytacgwt gaggacgggr acygytcttt 600
 aattattagt gatgtttccg gggatgacna tgcc 634

<210> 28
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (926)
 <223> n equals a,t,g, or c

<400> 28
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 ccccgcgcac ccccgggcgc agcgcaggca gccagcaga agttccacct ggtgccaagc 180
 atcaacacca tgagtggcag tcaggagctg cagtggatgg tacagcctca tttcctgggg 240
 cccagcagtt accccaggcc tctgacctac cctcagtaca gccccccaca rccccggcca 300
 ggagtcatcc gggccctggg gccgcctcca ggggtacgtc gaaggccttg tgaacagatc 360
 agcccgaggg aagaggagcg ccgcccagta aggcgcgagc ggaacaagct ggctgcggcc 420
 aagtgcagga accggaggaa ggaactgacc gacttcctgc aggcggagac tgacaaactg 480
 gaagatgaga aatctgggct gcagcgagag attgaggagc tgcagaagca gaaggagcgc 540
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 ggggacacag gcagtaccag tggcaccagc agcccaccag cccctgccc ccctgtacct 660
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atacaaacct accaaaatgg aataaaaggc ttgaagctgt ggcctgagtg cctcactgga 1560
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actgcaaaaa aa 1632

<210> 29

<211> 2539

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<400> 29

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ggcacacggt gaacagccca tccctggtct catcaattat tcccatcatt caacagatga 180
acggrttcca gactccatca tttctcgtgg tgttcaggtg ctcccacgag acacagcctc 240
cctcagcact actccttcag aatcgcctcg tgctcaggct acatctcgcc tctctacagc 300
ttcctgcccc acacaaaaag tccagtccag gtgcagcagc aaggagaaca ttctcagagc 360
cagwcacagt gctgtcgata tcaccaaggt ggctagaaga catcgcatgt ytccttttcc 420
tctgacatct atggacaaaag cttttatcac agtcctggag atgactccgg tgctggggac 480
agaaatcatc aattaccgag atggaatggg gcgagtcctt gctcaagatg tatatgcaa 540
agacaattta ccccccttcc cagcatcagt aaaagatggc tatgctgtcc gagctgctga 600
tggcccagga gatcgtttca tcattgggga atcccaagct ggtgaacagc caactcagac 660
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atcaacttgg gtattgtarg agacaacca gatgacttac tcaatgcctt gaatgagggt 1140
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stcaagcagg tgctgggaca ttgatcttca tgctcagatc cttttggca gggtttttat 1260
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caatacatctt aaaattgtac agaacaaaaa aataaaatca aagactgac ttgtacagat 2400
attagtgtta ccagcattca tgtggaaatc aagagcaaag acaaaaataat gttaaacaat 2460
tctgtaccat aacattttct gtaatgatac tgaaacttaa tgaataaaaa aattccttga 2520
tcattattta aaaaaaaaaa 2539

<210> 30

<211> 494

<212> DNA

<213> Homo sapiens

<400> 30

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taacatatga aaaaacagct acttgtgctt gactatgggc attttcatgt acasgagttc 120
ttgaagctga gtttattgag aatggttttg ttacctgctg atagctatct ttttgtgttt 180
agttcttttt gacttctttg gcctctaagt ttttgacagt ggcacttaga tgacagtcag 240
caattgcaac agtgaatgaa atcacacagc ttgagttcaa ggtggaaaga gaaaaaaatc 300
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tcttgctctc gaccttaggg tgtaatgtgg ccctgctcct tgtatggtga ataacttgtg 420
actgctgtgt ttaccacatg gttgrcagt tkacaaagca ctttgkgkat atattgcaca 480
ctctgcatcc ttac 494

<210> 31

<211> 1263

<212> DNA

<213> Homo sapiens

<400> 31

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tttaagatgg agctgtttta cctacttcat aagacagttg cgaggtgcca ttgattcttg 180
actgcaaaat accttgaaac ccttatataa agactgaagk caacggagcc tagtgaaaga 240
cttactttgt ggcttgtggt tgaaagtcac atcaaaagac aaatgtggcc acgttcagga 300
attggagact tactggcatg gctctacagc tgctcagtta ttaatcatgc agactaacct 360
gtcaacactg ggagatgcaa catagcaaaa ggacagagaa attagaattt tttgtgcaga 420
aagccctaaa ttcccacctg aatgtaactt acagctccct tacctactct cacacatgcc 480
ctcaaacatg ctagattggc ttatacatag gccaacacaa aatacaaacg tgacgtgttc 540
atgtagccta gtggctatat gcctattctc catgtaccct gcatggtagt gctgcaaact 600
ttaaagtaca tttctttcac agcagtattt tttttcataa gtggcatata aatctcattc 660
aatgaaatgs ggaaatcacg ttgagaagtt ggtctgtcat ctcccattga gcaaagactg 720
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atttcactct ctaaaagcaa cagcatgtaa actagaatga aagaaggaaa ttatgtacgt 1140
atgcctaata ttctttgtga atgtctttca tttaactaaa attatattag aaaccagatt 1200
gataaataaa aaattcaaag tagttttaat tatcctaaaa aaaaaaaaaa aaaaaaaagt 1260
ttt 1263
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<210> 32

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<400> 32

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ttttctctct cttttacaag tgtcagttta attccagagc cctggcccag tattttctga 120
tgattttctc cccaaggaag agaaggaaat ccctgctggg tacacagctg cgatgtcaga 180
cttcctctga aacatgcact gttgctgcct attagcataa cttcagtcct tcattctctc 240
ctgactgatt agtgatctgc aggcagttta aaaaacatac tttggagggg ccgggcgtgg 300
tggtctcacgc ctataatccc agcactttgg gaggctn 337
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<210> 33

<211> 1742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1733)
<223> n equals a,t,g, or c

<400> 33
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tacatatgtc cgctgggtga gttgacctgt ggccctgcac agtgattctg ggccctttat 120
gcttgctgtc tctcagaatt gttttcttac cttttaatgt aatgacgagt gtgcttcagt 180
ttgttttagca aaaccactct cttgaatcac gttaactttt gagattaaaa aaaaaaacgc 240
catagcacag ctgtctttat gcaagcaaga gcacatctac tccagcatga tctgtcatct 300
aaagacttga aaacaaaaaa cagttactta tagtcaatgg gtaagcagag tctgaattta 360
tactaatcaa gacaaacctt tgaaagggtta cactaagtac agaactttta aaccttgctt 420
tgtatgagtt gtactttttg aacataagct gcacttttat tttctaagtc agaggatgaa 480
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ataatcacaa cagatgctga aggagaagga gggtagtggt ttgcaaaaga aaaagaaaag 660
aaccaacaga attttaactc tattaacttt tccaaatttt cctatgcttt tagttaacat 720
cattattgta tcctaagtc actaggggag agagcttttg actctgttg gttttatttg 780
aatgtgtgca taacagtaat gagatctgga aacacctatt ttttggggaa aaagggttg 840
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aacatggaat actacgaatg aaatcacatc actgtatctt ttacatcaat agcctcacca 1080
ctaatatatc ttgtatctag gtgtctataa tggctgaaac cactacatcc atctatgcc 1140

```

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caacgtagtt gtwattagta gttctataaa gagaactgct tttaacatta ggggactggg 1560
gagcagtcca tggggntnaa aaaggaagt gttttctcac grggaaaaca tgytcaggga 1620
naawtaaagg aacactttct accyctgttt ccaggatttt tgaaacactt wtttttaaac 1680
ccaattttta atttcygtgt tcccaaaata ggTTTTTTtag gggncatctg ttncttcccc 1740
ta
1742

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<210> 34

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1094)

<223> n equals a,t,g, or c

<400> 34

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agtggcgtgg cgcaggggatg gcacaaaaga aatatcttca agcaaaattg acccagtttt 120
taagggaaga caggattcaa ctttggaac ctccatatac agatgaaaat aaaaaagttg 180
gtttggcatt aaaggacctt gctaagcagt actctgacag actagaatgc tgtgaaaatg 240
aagtagaaaa ggtaatagaa gaaatacgtt gcaaggcaat tgagcgtgga acaggaaatg 300
acaattatag aacaacggga attgctacaa tcgaggtgtt ttaccacca agactaaaaa 360
aagataggaa aaacttggtg gagacccgat tgcacatcac tggcagagaa ctgaggtcca 420
aaatagctga aacctttgga cttcaagaaa attatatcaa aattgtcata aataagaagc 480
aactacaact agggaaaacc cttgaagaac aaggcgtggc tcacaatgtg aaagcgatgg 540
tgcttgaact aaaacaatct gaagaggacg cgaggaaaaa cttccagtta gaggaagagg 600
agcaaatga ggccaaactc aaagaaaaac aaattcagag gaccaagaga ggactagaaa 660
tactggcaaa gagagcagca gagacagtgg tggatccaga aatgacaccg tacttagaca 720
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aacanctgga atgccttgat gatgcagaaa aaaaattaaa cttggscag aaatgcttta 1020
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tcacatcttatn ggcnctgtga gtccatttct agcatttgtg tttattcctg ttaaagtatt 1140
tgaactactg ccagaagggtg gatttt 1166

<210> 35
<211> 1049
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 35
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ccgcgaaagc cccaggggcc attggaccct acagtcaagc tgtattagtc gacaggacca 180
tttacatttc aggacagata ggcattggacc cttcaagtgg acagcttgtg tcaggagggg 240
tagcagaaga agctaaacaa gctcttaaaa acatgggtga aattctgaaa gctgcaggct 300
gtgacttcac taacgtggtg aaaacaactg ttcttctggc tgacataaat gacttcaata 360
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aagtgtgtgc ttaccctaaa ggcagccgaa ttgaaattga agcagtagct atccaaggac 480
cactgacaac ggcattcacta taagtgggcc cagtgtgtg tagtctggaa ttgttaacat 540
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tgaacatgaa tattagagaa ggaatccagt tactttttta aattacacct gtgtgcacct 720
gtattactga atataggaaa gagataccca ttacatagtt actcagtaaa caaaagagaa 780
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aaactaatga tgtgaactat ttagttttga tgtccgttat gtgattctgc ttttacttga 900
gtaaaattaa agtgttttaa tttgagatca aggagaagat agtggaaaca aatgttatat 960
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aaaaaaaaaa aaaaaaaaaa aaaactcga 1049

<210> 36
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 36

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attgccagga ttttgcaggt tagattgtac tacagcactg cctttggctt gccagactct 120
ggagtcccca cattttcatc ctgttctcag gaaaacactt tgaccctactt gaagctctga 180
gctactgctt cacagcttcc tggggtcagt ctccagccaa aaccatagat atcccaamwg 240
cagccaaacc acggctctgg gcgaaggaac gattaggttt actstagggt tccacacctt 300
gatgctcctg gcctttaatt tgacaactct ggactgccag gttttcacag acngttggac 360
atggattcaa gattgggaat gtnangggat ggtttggcaa cagtgtttgc tttgagcagt 420
tttaaaattt ggccaggaga ttcattgtgag caagaaatgt tagataccag ttttttgggg 480
tcaagggggg                                     489
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<210> 37

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 37

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tttaaagctt caggttcttg ttcagaagtt tcctgggtct cattaaaata atgaggcact 120
cagaattggt ctaataaaaa taacgaccat ttctttctac tccagtctct ttcacaaact 180
tcttagtgaa aatgacaagt gaggcccttc agtaggggca ttttcagtgg agataatagc 240
ggcagacctg agaccttggg ctaggtagtt tattctcatt totgaacaga tgatgaattt 300
tctcagatga ccctaagaaa ttgttttacc aaaaacaaag tgatctatth gctttgggag 360
gaactccctt ccttttgttt ctcttccctt ccccccctcc cctgcggttg tagagcccgt 420
tctgtccggt cgtggttctg tccagccatg atccgggagt cctagcttgc taatggamca 480
cctgagatgt tccttatggc tcaaggctwa aattgaaggt gggaaccacc tgaagcctcc 540
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<210> 38

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<400> 38
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taatgagatt tttggatcga tttgtatacc gaaatccaaa gcccataaa ggcaaagaaa 180
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agccnagagn aaaaggttac cagtggattt ttggaccttg gc 762

<210> 39
<211> 1958
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1835)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1885)
<223> n equals a,t,g, or c

<400> 39
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tgactgttac ttttacaat ctgtgtgtat tggtnggcta agggcctgta tgggtccact 1860
gctgtattcc cagggtccca gcatnggkgc ctggacgctg cckgggcaaa tagtagtcac 1920
ccgaggaaat gggctggatg gaatttcacg gagggcct 1958

<210> 40

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 40

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gtcgggtgcg ctggggcctg aggagaactt tctttctttg gacgacatcc tgatgtccca 180
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cggagnaagg cgccgagact gacaacgcgg tcccacagac ttttatcgga cgttttcgcc 300
gcatcatgga ctctcacag aatgcttaca acgaagacac ttcagccctg ggtagccagg 360
ctagacgaga tggagagggg cttatttcaa acagggcaga aaggactgaa tgactttcag 420

tggtgggaga aggggcaggc ttctcagatc acagcttcca acctcggtca gaattaa 477

<210> 41

<211> 860

<212> DNA

<213> Homo sapiens

<400> 41

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gtggacgtgg ctgagttctc ctgcgctac gggcctggcc agaggaggat gatcctgaag 180
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gagagttggg ggcattaacc 860

<210> 42

<211> 1131

<212> DNA

<213> Homo sapiens

<400> 42

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gaaataaatg cattttgtag caaaaaaaaa aaaaaamaaa aaaaaaaaaa a 1131

<210> 43

<211> 1334

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1204)

<223> n equals a,t,g, or c

<400> 43

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<210> 44

<211> 2351

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2350)

<223> n equals a,t,g, or c

<400> 44

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ccaagcttan g 2351

<210> 45

<211> 1587

<212> DNA

<213> Homo sapiens

<400> 45

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caaaaaaaca aaaaaaaaaa aaaaaaa 1587

<210> 46

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 46

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<210> 47

<211> 1920

<212> DNA

<213> Homo sapiens

<400> 47

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tccttggtct atttatgtat aagaatgctt tttaaagcac atgtctcatt ttaaatgacg 1860
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<210> 48

<211> 319
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (306)
 <223> n equals a,t,g, or c

<220>
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 <222> (317)
 <223> n equals a,t,g, or c

<400> 48
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 tgaaagtaag cacaagaaga aaaaaagcct tatctttgct ctagattttg caaaggggaa 180
 atttcaacag aacgcaatca ttgctacacg tctgccaaga cacaaggctt gggcgatctt 240
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 ggatanctgg gccttttngg 319

<210> 49
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 <212> DNA
 <213> Homo sapiens

<400> 49
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 taccgcttcg ctggcgggcg cgtggagtga tgaccctrat gtttatcttg ctggcggcc 180
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 tggcagcgcc tgttttgaat ggcagattgt acgcccgt 278

<210> 50
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 50
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 tctttggcat ttatttggtt tttctacgtt ttcagtccca tttactccaa gactcactcc 180
 ctgccaccta gtgcatcaga tacagctact tctggctgac ttttcaaggg ggaccaccct 240
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 cctagtcaag actgataccc tttccgtttc agaggattgc caagaaaaaa ctcacagtgt 420
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 cagtagctct gccgccttcc ccagagaggg ggtccagggg acatcctgga aggctggggc 600
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<210> 51
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (843)
<223> n equals a,t,g, or c

<400> 51
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gagctnggag gcagagctcc gagaaaagga gacagagctg gaaagatctt ccggaaaaca 840
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<210> 52
<211> 832
<212> DNA
<213> Homo sapiens

<400> 52
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gaggaagtca gagcgatgtg ctgtgaaatc tactaccgtt tgctgggttt gaaaatggag 180
aaaaagagtg aggaactgag aaacatggat ggccttgga acgtggaaaa gggtcactga 240
aatgggacga catgaactca aggaggctat ttatgaccat gtcatttgca acatgaagaa 300
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gttacactgc ttgaatcctg tcagtcctat actggagtcg tgtaataca aaataatagt 420
aataatccct ctgtttctta tgtttatgcc aacttcaaca aaaagaaact tgactaagag 480
acaatataag aayttaatgt gtaattaaga aagaactctc caccacgggg aatgtgaaag 540
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aagatacytt tagtcattaa tgrctggacg acaatttggg rcacmtatat ggatattggc 720
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<210> 53

<211> 1554

<212> DNA

<213> Homo sapiens

<400> 53

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gagttttggg aagtgaagag aaaagaaaag ttgattacaa acgggaccat attttgcttc 180
gaaatggaac cagcagttag cgagccaatg agagaccaag tcgcacggac tcatttgaca 240
gaggacactc ccaaagtga tgctgacata gaaaagggtta accmgaatca ggccmagaga 300
tgcacagtga tcggtggctc tggattcctg gggcagcaca tgggtggagca gttgctggca 360
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gtgaattaca ttggcaccaa gaatgtcatt gaaacttgca aagaggctgg gggtcagaaa 600
ctcattttta ccagcagtg cagtgctatc tttgagggcg tcgatatcaa gaatggaact 660
gaagaccttc cctatgccat gaaacccatt gactactaca cagagactaa gatcttacag 720
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<210> 54

<211> 281

<212> DNA

<213> Homo sapiens

<400> 54

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acaagcttgg gaaacataaa ctcaagttag aaaatatggg ttgacataa aaccttaaat 180

atgttttcatt tgtttgcttg tttggcttgt ttgtttctaa cacaagttta acctacatgt 240
gagtcacctt tgggattgat gagtctagrg tttgaaacca g 281

<210> 55

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (770)

<223> n equals a,t,g, or c

<400> 55

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cgtggatttg tgagaggggc catggttggg gggatgcagg agagggagcc agccctgact 120
gtcaagctga ggctcttttc cccccaaccc agcaccaccag ccagacagg gagctgggct 180
cttttctgtc tctcccagcc ccactccaag cccatrcccc cagcccctcc atattgcaac 240
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cgtgtttctc tttgtggggc tcaaacctc caaggacctc tctcaatgcc attggttctc 420
tggaccgtat cactgggtcca cctcctgagc cctcaatcc tatcacagtc tactgacttt 480
tcccattcag ctgtgagtgt ccaaccctat ccagagacc ttgatgcttg gcctcccaat 540
cttgccctag gatacccaga tgccaaccag acacctcctt cttcctagcc aggtatctg 600
gcctgagaca acaaatgggt ccctcagtct ggcaatggga ctctgagaac tcctcattcc 660
ytgactctta gccccagact cttcattcag tggcccacat tttccttagg aaaaacatga 720
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ctaaaaaaaa aagaaaaaaaa aagtcga 807

<210> 56

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 56

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gctgttggtc tgccaagtat tcctgttcat ccaattggat actatgcatg cacagaagct 120
cctagwaaaa atgggtggct cagcaccacc agatagcagc tggagaggaa gtctcaaaagt 180
gccctacaat gttggacctg gctttactgg aaacttttct acacaaaaag tcaagatgca 240
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agtgaacca gacagatatg tcattctggg aggtcaccgg gactcatggg tgytggttg 360
tattgaccct cagagtggag cagctgttgt tcatgaaatt gtgaggagct ttggaacact 420
gaaaaaggaa ggggtggagac ctagaagaac aattttgttt gcaagctggg atgcagaaga 480
atttggtctt cttggttcta ctgagtgggc agaggrgrat tcaagactcc ttcaagagcg 540
tggcntgggc tttatatata atgctgactc atctatagga aggaaactac actctgagga 600
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<210> 57
<211> 794
<212> DNA
<213> Homo sapiens

<400> 57
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gcagccccga gtaccggcag cgccgcgagc gcaacaacat cgccgtgcgc aagagccgcg 180
acaaggccaa gcggcgcaac caggagatgc agcagaagtt ggtggagctg tcggctgaga 240
acgagaagct gcaccagcgc gtggagcagc tcacgcggga cctggccggc ctccggcagt 300
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aacgcgcggc cggggcgggg gagactcagc aacgacccat acctcagacc cgacggcccc 420
gagcggagcg cgccctgccc tggcgagcc agagccgccg ggtgcccgct gcagtttctt 480
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ctcctgttga tgcagctaag gtacatttgt aaaaagaaaa aaaaccagac ttttcagaca 660
aaccctttgt attgtagata agaggaaaag actgagcatg ctacttttt tatattaatt 720
tttacagtat ttgtaagaat aaagcagcat ttgaaatcgc aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaa 794

<210> 58
<211> 1155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 58
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agacgtttgc aaaanggact aggctcatag taacttcgcc tgataaaciaa cttgatgcag 180
atgtttcccc caagcccact attttcttcc ttcraattgct gaaacaaarc tccagaaggc 240
tggaacatac ctttgtcttc ttgagaaatt tttcccgat rttattaaga tacattggsa 300
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gacacataca tgaaatttag ctggttaacg gtgccagaaa agtcaactgga caaagaacac 420
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ctccaataaa gacagatgtc atcacaatgg atcccaaaga caattgttca aaagatgcaa 540
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tcctcaagag tgtggtctat tttgccatca tcacctgctg tctgcttaga agaacggctt 660
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aaaaaaaaa aaaaaa 1155

<210> 59

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<400> 59

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aaattacgcc ttcttgtaca ccagagaatg cacacaagag agaaaccata tgaatgcagt 120
gagtgtggaa aagccttcatt taggaattct caactcattg tacatcaaag aactcattca 180
ggagagaaac cctatgggtg ncaatgaatg tgggaaaacc ttctctcaaa aatcaattct 240
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agccttttgt tggaagtcac agctcattat gcatcagaga actcatgtag rtgacaaaca 360
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aaactttatg ga 492

<210> 60

<211> 1617

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1595)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<400> 60

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gctgcagctg caggtgttcc agctgcacag gagaagcggc aattgcagga cgacttcgca 120
cagctgctgc aggagcgcga acagctggag cggcgctgcg ccaccttgga gcgggacagc 180
gggagctcgg gccgaggctt gaggagacca agtgggaggt gtgccagaaa tcaggcgaga 240
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cccaggagct gcagcgacac cgccagggaag ctgagcagct gcgggagaaa gctgggcagt 480
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<210> 61
<211> 1653
<212> DNA
<213> Homo sapiens

<400> 61
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tgggtgaaga ggggaatcat tagcattctg ggcgttttta tattaatgt tttgtgaata 180
tgccagaaga tctgccttca acttgtaatt aggcaagata gtaaygcttg atggtaactt 240
ctatgtttgt gtgaaataa taccagttag ttttgaaag ccattcagat ccattcaaaa 300
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aatggaatag acaaacatt tgaatgcatt tttctagggc aaacattttt tgagattttt 420
gagttaagaa gatttttcgg cttgagcaga agatgtgttt gttttgcatt tttcagctcc 480
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tgtgctcaag ttatttgcac atcttaagaa acttttaata tctaaaacca ttgttgtaag 780
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tggtgtgctt cctaagagta caaacctgag catatgtcca ggcttgcaaa gtctcaggca 1200
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gtgcttctca cttaacctaa tagtatgctt tgcctgtttt cccctcttcc ctttttgtt 1320
taaattgatt cacagaacac aaaaatttac taggtatgaa catttgaaaa aatggaatag 1380
agaaaatggt acatcacatg taataaagat aaatattgtt ttgtgaaatg tctttttcaa 1440
tcataaatat gtgttggtg ctatataaaa ctatttctta ttgtggatat tgaagtttga 1500
agcctgttgt tcatctatag atgcactgga tgggattgga agtcttcaga tttcagtagg 1560
gttttccaca agcttatgaa gacattgttc tgtttaggct gtaaaactgtt tttatttctt 1620
gatgaaaaat gttcttctat ttatatgatc cca 1653

<210> 62
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<400> 62
gaattcggca gaggaataaa taatttatta tatggtaaag gtggcatttc aaatcaatgg 60
gaaaaggtag gtttattgac aaagggtattg aagcaacggg ttaagatttg gaaaataact 120
atctctgctc ccaaaccattc accatatgag actgtagacc taataaaaaat aaacataaga 180
ttatgagaat aaaatatcaa taaatatttt atactatctt gcagtgggat aggaattgtc 240
tcactcctgc tggggtgact ccccatgaac ccaggggctc ttcagttcca aagrggaaaa 300
aggggaacag atggcctcct ccccttcctc actcccctgg gaccaggat tgctccctga 360
aggttttcga gccaccctcc ttcccattcc tcctgggggg ccaaggangn ttaaacagca 420
gggcccttcc nggtgtgccc 440

<210> 63
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (948)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (974)
<223> n equals a,t,g, or c

<400> 63
aatcggcac gagggaacct tgaaccagcc rctgaccaa ttgatagat cttctgaaga 60
gcctttggga gttctggtaa atcccaacat gtaccagtcc cctccccagt gggttgacca 120
cacagggtga gcctcacaga agaaggcttt ccgttcttca ggatttgag tagagttcaa 180
ctcatttcag caccagttgc gaatccagga tcaagaattt caggaaaggct ttgatggtgg 240
ctggtgcctc tctgtacatc agccctgggs ttctctgctt gtcagaggga ttaaaagggt 300
ggagggcaga tcctggtaca cccccacag aggacgactt tggatagcag ccacagctaa 360
aaaaccctcc cctcaagaag tctcagaact ccaggctaca tatcgtcttc ttcgtgggaa 420
agatgtggaa tttcctaag actatccgtc agttgtcttc tgggctgtgt ggacctaat 480
gactgcttgt ccagaagca atttaaggag cagtttccag acatcagtca agaattctgat 540
tctccatttg ttttcatctg caaaaatcct caggaaatgg ttgtgaagt tcctattaaa 600
ggaaatccaa aaatctggaa attggattcc aagatccatc aaggagcaaa gaaggggtta 660
atgaagcaga ataaagctgt ctgaccagg agaaaaggaa ctatacagca tagtggagtt 720
ttgtgtacta aaattgctat ctactggtcc tttggaattg aagtagtaga aacctaaagg 780
cttggcgta ggcttgaata tctcagaact taaactctta ccaaaatctg tatatttttc 840
ttaaggagtg ggattcctac tttatgtaat ggggtcgaaa tctttgaaca cattatttat 900
aaaaacctgt ttaaaaggtc gacggtatcg ataagcttg atatcgantt cggcacgagc 960
ccacctctac ctcngggggg accggcctgg acgctggtgg ccccgggacc cagcagagct 1020
gggggaaggg tcagccccc aaagaaatgg ggggtcatgc tg 1062

<210> 64

<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 64
ggcagagggg agaggaaggg aggggagggg agccccttct tcctggtaga tacaaagctg 60
ggctctggat acccttgaag cagtgcacag cctgtacaac agtccccagc agccctgtct 120
atcccccagc atctccctgc tagctgctgt tccctctcct cccgctggct gggcctgctg 180
ccaagctgtg gtgactcagc tgagctggca cattgacccc agcttattgt ttaaaaacca 240
gcccgactgg gnaatttatg gtttcctatc cccttcacac catttttctg gccacaaggc 300
aagaaactta tctctggcat cttcagattt cttstatttw attttgggnc ttcccttgcc 360
tggcaatatg tttcatagag tgggtaagtg agacctgaca ggtgttttca aggataattt 420
ca 422

<210> 65
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (674)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 65
aattcggcag agcgcttctc cattctctgt gggttgtgtt gttttcttca tgaattccga 60

agtttactct tggatgatct agttgaagag ctagtgttta ctgatcacac tgtctttctct 120
ccttgaaatt ggtgcatatt agctgcttct agtcagccct ctgcccaga atccccaaaa 180
agaaaattgt tagttcaggg attgtagctt tttttttgtt ttaacatgag atatgtgatt 240
ataataaact tcaagtattc aggaccattt tatggataaa aggagaatct aactttttaa 300
agttgggaaa atgatttaat attggaaact caagagttac aaattcttac agttatttca 360
aaactaaagg tttctttaga gctccaaatt tagagctata aatcctatat ccgtaatcaa 420
atccagtact gataacaatg aacaattgct gaagagtaat attctctctc tctttacca 480
tgtaagcctt agcattggta cttcttggwa wtatcttttt gcatgccatt atgatcagaa 540
aaaacaaaaa gctaccacaga aagggcagcc acattctaaa tgataggctt ttacctccct 600
gagggggctg ctaggtagct acctggatta ggaattcatt tggtaaacia cagggggcct 660
tttaaatcta aatnaccatt tccnaataat tngtttnccg tttattccg 709

<210> 66

<211> 1302

<212> DNA

<213> Homo sapiens

<400> 66

gctcgacaag aagagaaaaga aggacatgct gaatagcaaa accaaaactc agtattttcca 60
ccaggaaaaa tggatctatg ttcacaaaagg aagtactama gagcgccatg gatattgcac 120
cctggggrra gctttcaaca gactggactt ctcaactgcm attctggatt ccagaagatt 180
taactacgtg gtccggctgt tggagctgat agcaaaagtca cagctcacat ccctgagtgg 240
catcgcccaa aagaacttca tgaatathtt ggaaaaagtg gtactgaaag tccttgaaga 300
ccagcaaaac attagactaa taagggaact actccagacc ctctacacat ccttatgtac 360
actggtccaa agagtcggca agtctgtgct ggtcgggaac attaacatgt ggggtgatcg 420
gatggagacg attctccact ggcagcagca gctgaacaac attcagatca ccaggcctgc 480
cttcaaaggc ctcacettca ctgacctgcc tttgtgccta caactgaaca tcatgcagag 540
gctgagcgac gggcgggacc tggtcagcct gggccagctg ccccgacct gcacgtgctc 600
agcgaagacc ggctgctgtg gaagaaactc tgccagtacc acttctccga gcggcagatc 660
cgcaaacgat taattctgtc agacaaaagg cagctggatt ggaagaagat gtatttcaaa 720
cttgtccgat gttacccaag gaaagagcag tatggagata cccttcagct ctgcaaacac 780
tgtcacatcc tttcctggaa gggcactgac catccgtgca ctgccataa cccagagagc 840
tgctccgttt cactttcacc ccaggacttt atcaacttgt tcaagttctg aatcccagca 900
catgacaaca cttcagaagg gtccccctgc tgactggaga gctgggaata tggcatttgg 960
acatttcatt tgtaaatagt gtacatttta aacattggct cgaaacttca gagataagtc 1020
atggagagga cattggaggg gagaaatgca gttgctgact gggaatttaa gaatgtgaac 1080
ttctcactag aattggtatg gaaaagcaaa atactgtaaa taaacttttt ttctaacaat 1140
ttgccagcaa gactataagg gcaataattc tatttcagcg gtgaaaatgg agtcctctta 1200
atggtcacag aaactctctt atagttccct aggaagaaaa aggcaaaact caaatacaaa 1260
ataggacgct ttgtttacaa tgtgaaaatt tgtttagaaa ag 1302

<210> 67

<211> 1046

<212> DNA

<213> Homo sapiens

<400> 67

aattcggcac gagcttctgt tgggtgttatt ttcaattcta tttccagtgc cacaatagag 60
tgatatttaa gcaactccta caggcgaagg ccctgcagtt cctccagatt gacagttgca 120
gactgggcag tgtcaatgag aacctctcag tattgctgat ggccaaaaag tttgaaattc 180
ctgtttgcc ccatgctggg ggagttggcc tctgtgaact ggtgcagcac ctgattatat 240

ttgactacat atcagtttct gcaagccttg aaaatagggt gtgtgagtat gttgaccacc 300
tgcattgagca tttcaagtat cccgtgatga tccagcgggc ttcttacctg cctcccaagg 360
atcccggcta ctcaacagaa atgaaggagg aatctgtaaa gaaacaccag tatccagatg 420
gtgaagtttg gaagaaactc cttcctgctc aagaaaatta agtgctcagc cccaacaact 480
tttttctttc tgaagtgaag gggcttaaaa tttcttgga atagtittac aaaaatggat 540
ttaaaaaatc ctaccgatca agatgagttc agctagaagt cataccacc tcaggaatca 600
gctaagtaat tattacttga ttcttttagc aaatcaatgc acgttatcct acttaatcct 660
taaataagtt tagatttaac taacccaaag tccaggagga tgttcttaca aaaatagcta 720
tatcaagggc tggcacctag acattaaact gtaatttgaa aataagcaac atgttgcata 780
acttgttgga ataattcctt gttctgttta acacttgtca taaattagca gaataaaaaat 840
agtcgtgcaa caccgggggt atctggtatg caacgaagg raaaatattt cactgattaa 900
ccccgaagtg gttttgcatc ttttccttgc ttaatctaag catattatta gagaagtcac 960
accatgctga agctaattgag ggcaaaatgg tagtccatag attattttaa aataaccctt 1020
taaggttata aaagttaaa aaaaaa 1046

<210> 68

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 68

caagagaaga aattatgaaa gggcgtgaat accaagaggc aggttattgg gggccatctc 60
agaggctgcc caacacaggc tactctttgg ccccgatga ttcatgttcc ttccaaatgc 120
aaaatgcccc gtcccaagat ctccaaaagt cttatcccat tataggatta gctcagagtt 180
cagaacctta tcattctaaag ttccaggtgt aggttaaggct tttgggtgta gttattttat 240
tacagctcct agcacacttc tagtggtata ctaatgcctc ttctgtatag ttactttgga 300
aataaatgat ntaggtactt tgatccatat ggagttctgt gtaggaagat caacctagat 360
ctgatgttag ctggtaaaca ctgtagtgtt aaaaaggcac tgtnttatga tagctctttt 420
tgacagtgcac tgggattatg gggcaaatgg taaatggcat gcaattgaga tcagtattag 480
gttattaatt gaactggaat c 501

<210> 69

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<400> 69

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aattcggcac gagggaaaaga aggccatgta ggggcttgct ttagtcatcc actgctaact 60
cattaactat taattcaagc aatatgtatt atagaaccgt tttgtgtagc attggaatat 120
tgtccatttt gtaagtcatt gtgaatgtnc ttaattatca gcttgaaggc atttttgtat 180
taaaagttga cattgaagaa cctaagtggg tgatgggatt tggggccagt agtgaaagta 240
tgtttcctct aaaatatatt cctaaacagt ggtatacatg gttattttat tatgagattt 300
gtatatgttc tgtgtttctc tgtgaacaat gtttcagtct ctctgtcacc atatgtaagg 360
ggaagtccac aaatatagac tacattgcac aaaactaaaa ttgttaatta caagaaaata 420
taggtgctta ccttttgaag gtttattaat acatatggtt gtcacaatac gtatatatga 480
taaatggtgt acatatacag atgtttatgg tgtataaatt tttctatacc caaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggccccc a 581
```

<210> 70

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (911)

<223> n equals a,t,g, or c

<400> 70

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tccaaacaga gggagcagct atttaagggg agcaggagtg cagaacaaac ragacggcct 60
ggggatacaa ctctggagtc ctctgagaga gccaccaagg aggagcaggg gagcgacggc 120
cggggcagaa gttgagacca cccagcagag gagctaggcc agtccatctg catttgtcac 180
ccaagaactc ttaccatgaa gaccctccta ctggtggcag tgatcatgat ctttgcccta 240
ctgcaggccc atgggaattt ggtgaatttc cacagaatga tcaagttgac gacaggaaaag 300
gaagccgcac tcagttatgg cttctacggc tgccactgtg gcgtgggtgg cagaggatcc 360
ccaaggatg caacggatcg ctgctgtgtc actcatgact gttgctacaa acgtctggag 420
aaacgtggat gtggcaccaa atttctgagc tacaagtta gcaactcggg gagcagaatc 480
acctgtgcaa aacaggactc ctgcagaagt caactgtgtg agtgtgataa ggctgtgcc 540
acctgttttg ctagaaacaa gacgacctac aataaaaaag accagtacta ttccaataaa 600
cactgcagag ggagcaccct tcgttgctga gtcccctctt ccctggaaac cttccacca 660
gtgctgaatt tccctctctc ataccctccc tccctaccct aaccaagttc cttggccatg 720
cagaaagcat ccctcaccca tcctagaggc caggcaggag cccttctata cccaccaga 780
atgagacatc cagcagattt ccagccttct actgctctcc tccacctcaa ctccgtgctt 840
aaccaaagaa gctgtactcc ggggggtctc ttctgaataa agcaattagc aaatcawrwa 900
aaaaaaaaaa naaaaaagaa aaaaagtttt ggcctaaatg agtcgtatta cagttgacgc 960
ggccggcgaa tttagtagat ggtgtaatc gacccgagaa attccggaac cggaactctg 1020
aggggtgaca agtttcccca agagcggcgg attaaggctt gggcgacaa agggcg 1076
```

<210> 71

<211> 376

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 71
gccccacgcgt ccgaggaggg ccgcstttcc ggtctgggtc ccsgagagga ctgccttgct 60
cacctgtccc ctcggcgcg cccgggggag ctcccagagag gccccmggga tcgctggccc 120
tccgaactcc acagcaatga gcaagtggg caagtcttt aaagggggcg gctcttctaa 180
gagccgagcc gctcccagtc cccaggaggc cctgggtccga cttcgggaga ctgaggagat 240
gctgggcaag aaacaagagt acctggaaaa tcgaatccag agagaaatcg ccctggccaa 300
gaagcamggc acgcagarta agcgagggat cwgmawaaa tagatgnntt gatgcaagag 360
atcacagagc aacagg 376

<210> 72
<211> 374
<212> DNA
<213> Homo sapiens

<400> 72
aattcgacsa gccagggcac cctgcccag tatcccamgc agaggagca gaaccagcg 60
tgtaactact gtgcttgaca cccagggcag gtcttttttt aactcaccga tcttccatgc 120
aacaaaattg ttttctgtga aaagcaggaa atgaataaca acagcgtagg tactccactt 180
caaatttccc aagaaattca gaagaattgt gaacaagttg ctggtttcac aatactgcaa 240
gacactgcaa gttattccaa gttcctacag gacaacgatg cacaattatt tacttactta 300
tgtttaataa tacctatcag tttgactttc atcctttggg gacattctaa taatttatgt 360
aaataattat tcag 374

<210> 73
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 73
aattcggcag agctgcattg tcttttaggg ccaatggact tggaggcata gagattttat 60
aactactgcc agaaccctaa tattgccagt sggcctcttc tgctgctgtt gctagctgtc 120
ttcttctggg ggaaatgggt tgggttctaa atatgaatta acacagggtt gtcttcgatg 180
aattcagcac aaaatgttct cagcaattga acactcggag ngaagtgtta ggcatttagt 240
gcagactcat agaatagcag gacagggagg gatttgatc tgggcaagca ggagatgggt 300
atgaacatct gtcttttgag acctgccgag gtggcaatga aggtagaggc ccctgtgttg 360

aggctctttat tcaagaggct gtggtccctt tgggacttaa catagcatcc nttagacag 419

<210> 74

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 74

gcaggcgact tgcgagctgg gagcacttta aaacgctttg gattcccccg gcctgggtgg 60
ggagagcgag ctgggtgccc cctagattcc ccgccccgc acctcatgag ccgaccctcg 120
gctccatgga gccnggcaat tatgccacct tggnatggag ccaaggatat cgaaggcttg 180
ctgggagcgg gaggggggcg gaatctggtc gcccactccc ctctgaccag ccacccagcg 240
gcgcctacgc tgatgcctgc tgtcaactat gcccccttgg atctgc 286

<210> 75

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (623)

<223> n equals a,t,g, or c

<400> 75

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aggtagaaaa gcgagcagcc gtcctttcac agcctcagaa agtgctcgct tcccttcggg 60
ggcttttcgag aatcccaggg caatctcgna ggcgggtattt gacctgtcca aagacgactt 120
gatacctcta taatgtaaca gaaaagggtca gaaaatatta agcaagtaga agtggtggagc 180
atattaagca agatgaacat ctcgggaagc agctgtggaa gccctaactc tgcagataca 240
tctagtgact ttaaggacct ttggacaaaa ctaaaagaat gtcatgatag agaagtacaa 300
ggttttacaag taaaagtaac caagctaaaa cagggaacgaa tcttagatgc acaaagacta 360
gaagaattct tcacacaaaa tcaacagctg agggaacagc agaaagtcct tcatgaaacc 420
attaaagttt tagaagatcg gttaagagca ggcttatgtg atcgctgtgc agtaactgaa 480
gaacatatgc ggaaaaaaca gcaagagttt gaaaatatcc cggcagcaga ntcttaaact 540
tattaccgaa cttatgaatg gaaaggatan tctaccggga ggaattaaaa gctttctgga 600
caactccgcc ggaattgnga tgntcaccgc ttc 633
```

<210> 76

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 76

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agcacaagtt caggaccagc ctgcgcaaca tagcaagatc cccatctnta caaaaaaat 60
aaacaattag ccagggcata gtggcatatg cccattgtcc catctactct ggaggctgag 120
gcgggaggtt cgangttcac agaaccoccca taaccatcc agctagccag gtagaaggcc 180
tccaggtccg acgttgcatc ccccagggtc tgatgctgtc tgcaatcttc atccctagge 240
agwagagcta aaaatg 256
```

<210> 77

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 77

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agcagcaagg ccaagcatgc aagaktcacc atccaccctg gccatgatgc agggcctcct 60
ttgctggacc cgcagccctg caggacagag actggcagcg caccgtcatc gccatgaatg 120
ggatcgaagt aaagctctcg gtcaagttca acagcagggg gttcagcttg aagaggatgc 180
cgtcccgaag acagacaggg gtcttcggag tcaagattgc tgtggtcacc aagagagaga 240
ggtccaaggt gccctacatc gtgcgccagt gcgtggagga gatcgagcgc cgaggcatgg 300
aggaggtggg catctaccgc gtgtccgggtg tggccacgga catccaggca ctgaaggcag 360
ycttcgacgt caataacaag gacgtgtcgg tgatgatgag cgagatggac gtgaacgccca 420
tcgcaggcac gctgaagctg tacttccgtg agctgcccga gcccctcttc actgacgagt 480
tctaccccaa cttcgcagag ggcatcgctc ttccagaccc ggttgcaaa gagagctgca 540
tgctcaacct gctgtgtcc cttgccggag caaaccttgc ttcamctttc cttttccttt 600
ttggraccam ctgaaaaagg gttggcagag aaggagggca gttcattaag ttccttgcaa 660
aaaacttngc canggttttt ttggcccaa ggtt 694
```

<210> 78

<211> 2562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2556)

<223> n equals a,t,g, or c

<400> 78

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ggcacgagt tagacgaagg ctccatatca ccccgactc tttcagccat taagagagct 60
cttgacgatg acgangatgt aaaagtgtgt gctggggatg atgtgcagac gggagggcca 120
ggagcagaag aaatgcgtat aaacagctcc accgagaaca gtgatgaagg acttaaagtg 180
agagatggaa aaggaatacc gtttactgca acacttgcgt catctagtgt gaactctgca 240
gaggagcacg tagccagcac taatgagggg agagagccca cagactcagt tccaaaagaa 300
caaatgtcac ttgttcacgt ggggactgaa gcctttccga taagtgatga gtctatgatt 360
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gggctcccga atggaaggga actgacaccg gcactctycaa cttgtacaaa ttctgtgtca 480
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<210> 79

<211> 1610

<212> DNA

<213> Homo sapiens

<400> 79

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tattcttagt ttccagccca cgccttgca tagsratagg catagtgatg gcctcaattc 240
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```

<210> 80

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (997)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1021)

<223> n equals a,t,g, or c

<400> 80

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ccaccatcta cagctttact gtaaaacctt gtcttattcg agaacttggt aaatctgttt 360
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cacctaaatt gaacttcttg catatttcca ttactgactt ggattgtctt tctttcatat 660
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tgatccgtct ggggttttac ggtgtgcact ggggtgtgca cagacttgct aaggtttgcy 960
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ntattttaa ac atcccaccaa ccaaacac 1048

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<210> 81

<211> 1136

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1131)

<223> n equals a,t,g, or c

<400> 81

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gcactgatat ttgtcattga ctcacaggat gattacatgg aagccctggc caggctccac 180
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taaaaaaaaa aaattcctgc aaccctcttg atcttctctt ttataaataa agtaagcact 1080
ttgaagcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg ncccc 1136
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<210> 82

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 82

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attcctgagg attgcagtct ataaacttgg tgcaggcggc tgaccccgca gctyaacaag 240
atcaagaggc tgataatcaa gccctcagc ccgaaactca ggctgctcag ggaaaag 297
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<210> 83

<211> 2150

<212> DNA

<213> Homo sapiens

<400> 83

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<210> 84

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 84
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gagctaaagg aaggagatyc gggctgggct gagaagcatc ttccaggatc acggscttcc 240
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g 601

<210> 85
<211> 534
<212> DNA
<213> Homo sapiens

<400> 85
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cccagaagg tgtcagcatc tggaatccta tcctactctg gcagcccatc ccggtgcaca 480
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<210> 86
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 86
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atagttaaaa aaaaaaaa                                     1037
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<210> 87

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<400> 87

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gctatttcat acctaattgag ggagttccag gagattcaac caggaaatgc atggattctca 180
aaggaaacaa acaccaata aactcggagt ggcagactga caactgtgag acatgcactt 240
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acaactgcc aagaatcttc aagaaggagg actgcaagta tatcgtggtg gagaagaagg 360
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gggctcccag gccaggcctc attctcctct ggctctaat agtcaatgat tgtgtagcca 480
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<210> 88

<211> 474

<212> DNA

<213> Homo sapiens

<400> 88

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gggtgwgtac agcaaccctc agccaccagc tgttttccat ctgccggcct tcctggggga 180
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aggaggtggc atgtgagaaa gctttttgga agaggtggca cctggagctg tgga 474
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<210> 89

<211> 1537

<212> DNA

<213> Homo sapiens

<400> 89

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ggccacacag gatcttttgt atttaaggat tctgagatth tgcttgagca ggattagata 1020
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ctcttgaagt atatatatca tagcaaataa gtcactctgat gagaacaagc tatttgggca 1440
caacacatca ggaaagagag cmccacgtga wggagtthyt ctagaagcty cagtataag 1500
agatgttgac tctaaagttg atttaaggcc aggcattg 1537
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<210> 90

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<400> 90

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tgacaccatg cctgggtaatt ttttttaatt ttnattttca gtagagacaa gggtgcgcta 60
tggtgcccgg gctggtatgg aactcctgtg cttaaagcgt cctcatgcct cggcttccca 120
aagtgtgag gttgcagcta tgagccaccg caccagcct acattccttc ttatcacga 180
gaaacagggt gatcttcaca ggtgtaatga gtatgaagg agtgccataa agatattttt 240
tattttttat ttattttatt ttttaatttaa tttttttttt tttgggatgg gngtcttgct 300
ctgg 304
```

<210> 91

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<400> 91

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ggtagagatg gggctctcgtc atgttgacca ggctgggtctc aatctnctgg tctcaggcca 60
tccttccacc tcattctccc caagaactgg gattacaggc atgagcaact gcacctggtc 120
catatgcttc ttatagttga agaagtgaag ggtcaatgac ttactaaaa tactattaaa 180
gtaataaagc taggacttag cccaattat tcatccttaa agtccaatac ttccaatata 240
ttaagttgct ctttattata tgaattctaa atatcttttt taccttttgt tatctaattct 300
ggaaatccta tataaatgta taattttata catgctgact gatatccyct ctagtcttgc 360
tataactagg 369
```

<210> 92

<211> 315

<212> DNA

<213> Homo sapiens

<400> 92

```
gctttttacc ctctccaaac cttctaacc tagcttcatg aatttatgtt actcgcctag 60
agggctctct ataaatatat acatttgtaa cttctgttta atataaata atcattcttc 120
atagcaagga ttctggcatc agttggagat tctttggatg gatgtgctcc catggagttt 180
ctattttaat gtactaacia cttatgactc gtctatctgt agtatcaatt atatccacta 240
tcacagtaac agtcaccact taatatgyat agratatctc attttaccac gcaattatgg 300
tatctctgat ttata 315
```

<210> 93

<211> 701

<212> DNA

<213> Homo sapiens

<400> 93

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aacattacaa gggtttttat aaaaaaccct ttgttcatat ttcttccctt taaaatatgt 60
aatgtcaaaa atgactcacc ttttaaaaaat tatgcatgaa aacagggtgg aaacattcag 120
taatacgcta tttctccaac atcaagacaa ctaaaacaaa tgataaaaat gtttattttt 180
```

```

acactccagc atatacgggtg agtttttaggg atgtgtatga atattttaa attttaattt 240
cagttttaat gaaagctgaa cttaataggg aaagctagct cttggtaact agcaatgatc 300
aggcattggt tgccctctgtc aggttttctt atctgtttta ggtacatttt ttcagattct 360
gattgtttga gttaatgggt gaatttttaa agtttttagt tacttaaaat akgtatttaa 420
attrcatatt aatttagaaa attcctgtgt ttacttatat tttaaattgt gaaatggatc 480
caatcattag aacagagaga atagtctttt gaaactgaaa tactttagtt ttactgacct 540
tgtgtaaaga taatatgaag aaccagcttc caaaagaaac cagcatatgg cactataaac 600
tatttcattt gagcaccatt ctttaccatg gatataattt ttatgtatta tagtggagtg 660
atcatacagk tcccccaa atgtgatggtc aagggaattt a 701

```

<210> 94

<211> 459

<212> DNA

<213> Homo sapiens

<400> 94

```

cgggcaactc tctggcatcc ttaatatctt tctatagaaa ttgtgatgaa agaacagata 60
agcctaagta aatctagcgt gtggagctcc tttaaaatgt gaagaccttg ccawctggtt 120
aaaaataaaa cttggttttg tcctaaatat ccttgctggg cctattatac ataaaaaaag 180
gggccacagc ccatttgcaa ggcttctgaa tgaactccat tcattctgta cttggaaatg 240
tctcttcagc cacaaaaaga acaatagtta taacctaat tctttggtgc catatcagca 300
gaagaagagc caagagacca ttatgaaaac tctagtaagt tctcttggtg attatataat 360
gctgtawtca ttgatcatat tkctgtattt aaataagtac attttttaa acatcataaa 420
gtggatcagt aatgctgtaa tatcacattt catgtatta 459

```

<210> 95

<211> 2589

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1056)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2568)

<223> n equals a,t,g, or c

<400> 95

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ggcacgaggg ctgccctttt gggttccagc cgggggtcacg tccagcctcc actgggaaac 60
cagtgaactga ggcctggacc cagaggtgga ccaggcatct cctggccacc tgtgacctgg 120
gaagaagcga gtcagtggcc cgttcaacct gctctgcagc tgctataaat agcctccctg 180
tttccaagag gaggttaagg agtgtttata ttctaaaaac cagacgtttc ctgatgctct 240
gagcgttact cagtgtaca gaggagatgc acacgtcccc actatgttct gtcttgagaa 300
ggggacaaga gaaagaggaa aaggagccac tgtactttat tttgcacctc cagcgtgcct 360
tggcactggg ctagagaggc accttcctgc gtgaatcctg tgcggcagggt cttattgcca 420
taataagtca catcaaagac actgctggtc ataaaaact gttttacata ccatagggaa 480
aaacgctgcc aatcttaact aagatgctac aactgtacag ttccttccaa tcagagatgt 540
tcacgtgtga aaaaaaaact gtgctactta caatctatga aagctggtrt tatcccactt 600

```

ggcaggtaag ggaactgagg tcctgtgagt gaagtgacct catgatcaca caacaggaga 660
tggcagggct gggattcaaa cccgggagtg tctgctgcc caccccacac tcccactgcc 720
tggctccaag tcccaggaag ctcgagactg tgagttttct cccctgaaac tcacctggag 780
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tcctggcaga gctgaggctc gagagatctg gactccaacc caagggccct ctcttgttat 960
tcagggggtg ccacagttag gragggacct ggggccttgt cccaccacct tcctaggccc 1020
cgtgatcacc accccctcaa gcggggcccc agcccnctga gcacccccct acgtgaccca 1080
gccctcggct gttccaggct cactgcccct ggtgtgctct tctgggccac agcagccagg 1140
gctccagggc gaggacrugg gacacctgaa aacaccccg tgttcattgt cttgtgcccc 1200
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gtgtgacaat ctgtctgtgc cttacgaaa gttctgtgca ctttttatcc tttttaaaag 2160
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atccccacc ccacacacca ctacctgtgt acagacctt taaaacatgt cttctttttc 2340
tgattcaata ctgtgacctc tccgatacag tctaactcct ggggatctgt aatcaagggt 2400
ttaaaacctg ggaagtgggt tgggaagggt ttgactggc cttgagtgtt gtgcttttct 2460
gtgtgtgtgt ttttgatttt tgtcttttta tctgttttat attgacataa ttttcctgtt 2520
taaaaaata caactttggc ttgttaaaaa aaaaaaaaaa aaaaattnct gcggtccgca 2580
agggaattc 2589

<210> 96

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 96
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agggccacct gctgcgttct cctcatctgy ctcttcctgg gcgccaacgc cgtgtgtgtac 120
ggggctgttg gwgactctgc ctacagcacg gggcrtgtgt ccaggctgar cccgctgagc 180
gtcgacacag tcgctgttgg cctgggtgtcc agcgtgggtg tctatcccg taccctggcc 240
atsctctttc tcttcyggat gtcccggagc aagggttatca atactctggc tgaccatcgt 300
catcgtggga ctgactttgg tggaagtcct tggttactta tcattaactg tgtttctgag 360
aagttataaa tntggcatct cctnctgcac aacttacctt tgggttataa taatctgggtg 420
accatcgtca cgttggactg antttggggg aagcctt 457

<210> 97
<211> 516
<212> DNA
<213> Homo sapiens

<400> 97
agctcccacc agcctccttt ttattttttt gtacagatgg ggtcttgcta tgttgcccaa 60
gctggtctta aactcctggc ctcaagcaat ccttctgcct tggcccccca aagtgtggg 120
attgtgggca tgagctgctg tgcccagcct ccatgtttta atatcaactc tcaactcctga 180
attcagttgc tttgcccaag ataggagtgc tctgatgcag aaattattgg gctcttttag 240
ggtaagaagt ttgtgtcttt gtctggccac atcttgacta ggtattgtct actctgaaga 300
cctttaatgg cttccctctt tcatctcctg agtatgtaac ttgcaatggg cagctatcca 360
gtgacttggt ctgagtaagt gtgttcatta atgtttattt agctctgaag caagagtgat 420
atactccagg acttagaata gtgcctaaag tgctgcagcc aaagacagag cggaactatg 480
amaagctctc ctgccatctc caagcccact tttcag 516

<210> 98
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<400> 98

ggagaccgcg cgcgggacgg ggaggaatgg cctgtccgcg ttaaaccatc acaagccatg 60
gttgcggaag ggccacgcgt cccccagtag gagaatgact ccgattcgtg accctcagcg 120
ccggtgcatg tcgatcttgg cccccagggc tgtgatgcag ccagccaggt ctcagggaga 180
gggaacccag aagcctggca tgctggccaa aggagtcaag gaaacttttg agctatttac 240
agcttgtagc aattatgtaa agnatactcc nctgaacaaa atttggagca tgtttgttnc 300
tctctacctg attt 314

<210> 99

<211> 679

<212> DNA

<213> Homo sapiens

<400> 99

agttgttccg tgtaggctgt tgttgactct cgtatgaaag cccacgcgat ccaagtgcc 60
tgcaggtttt ggtccaggga aaagttggtc tctgcagatg actgtaaatg actacctgga 120
ggtcgattaa agtgccgtac tgccggattc arccgatttc cttcttcctc tgactgccc 180
gaaatatcag ccaaaggcca gcgttctaag gacatatgga attggctatg gataattcat 240
atgctttcaa tcaacgaagc acatgtaatg gaattccatc tgagaagaaa acaacttcc 300
ttgtatcaga agatcatgga caaaaaatct taagtgtact acagaatttt agagaacaaa 360
atgtctttta tgatttcaaa ataattatga aagatgaaat aatcccgtgt catcgttgtg 420
tgttagcagc atgcagtgc tttttcaggg ctatgtttga agtaaactg aaagaaagag 480
atgatggaag tgttaccatt actaatttgt cctccaaggc agtaaaagca tttctcgatt 540
atgcctatac tggaaaaaca aaaataacag atgataatgt ggaaatgttc ttccagttgt 600
catcatttct tcaagtttcc ttcctatcca aagcttgagc tgacttttta ataaaaagta 660
ttaatcttga aaaaaaaaaa 679

<210> 100

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 100

aattcggcac gagtctcacc cctcggagac gctcgcccga cagcatagta cttgccgcc 60
agccacgccc gcgcgccacc accatgctag gtaacaagcg actggggctg tccggactga 120
ccctcgccct gtccctgctc gtgtgcctgg gtgcgctggc cgaggcgtag ccctccragc 180
cggacaaccc gggcgaggac gcaccagsgg agggacatgg ccagatacta ctcrgcgctg 240

cgacactaca tcaacctcat caccaggcag agatatggaa aacgatcyag cccagagaca 300
ctgatttcag acctcttgat gagagaaagc acagaaaatg ttcccagaac tcggcttgaa 360
gaccctgcaa tgtggtgatg ggaaatgaga cttgctctct ggccttttcc tattttcagc 420
ccatatttca tcgtgtaaaa cgagaatcca cccatcctac caatgcatgc agccactgtg 480
ctgaattctg caatgttttc ctttgtcatc attgtatata tgtgtgttta aataaagtat 540
catgcattca aaaaaaaaaa aaaaawaaaa aaaaaaaaaa acnngggggg gggcccgcn 599

<210> 101

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<400> 101

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gcgggaggag ataagcaagg acctcagagc cacactgaac gccttcctgt accacatggg 120
ccaacacagc aacaaattca tgctggtcct ggccagcaat ctgcctgagc agttcgactg 180
tgccatcaac agccgcattg acgtgatggt ccacttcgac ctgccgcagc angaggagcg 240
ggagcgcttg gtgagactgc attttgacaa ctgtgttctt aagccggcca cagaaggaaa 300
acggcgcttg aagctggccc agtttgacta cgggaggaag tgctcggagg tcgctcggct 360
gacggagggc atgtcgggcc gggagatcgc tcagctggcc gtgtcctggc aggccacggc 420
atatgcctcc aaggacgggg tcctcactga ggccatgatg gacgcctgtg tgcaagatgc 480
tgtccagcag taccgacaga agatgcgctg gctgaaggcg gaggggcctg ggcgcggggg 540
cgagcacccc ctatccggag tccaaggcga gaccctcacc tcatggagcc tggccacgga 600
cccctcctac cctgccttg ccggccccctg cacatttagg atatgctcct ggatggggac 660
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ccccccaggg caccctctgt tgtaggcact ggctagggag gggcaggcct ccttcctgcc 780
cctcgagaca ctcttgagg atgcattttc cgtctggctc acagggggag ggtgaggctt 840
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gggccacgga acccggcagg ggtgtctgag gccgccctgt cagctggccg gtccaagcct 1080
gtggctggag ctggtgtgtg ttatctaat aaagtccac aggtgcctca aaaaaaaaaa 1140
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1189

<210> 102

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<400> 102

gccaatattga tgaagtgcaa agttcaggcc ggtatgattt tnagtgtctg caaagataaa 60

agcttcgatg atgaagaatc agtggatgga aataggccat catcagctgc atcagccttc 120
aaggttcctg cactaaaaca tccggaaatc ctgccaaacag tgcaaggaag ctggttcagc 180
aggtggccct aaggttkgag gttstaaatc catttcaatc tgttatgctg gtccatggcc 240
ttgatattgg c 251

<210> 103

<211> 458

<212> DNA

<213> Homo sapiens

<400> 103

gggaggcttt ctgaattatg ggggcaacat ggggagactg ggctttctgt ggaccatgac 60
agctccgcag ccggtgctggg ctccctcagct ccactgtcag ggctaggaat tggccacaga 120
acccccagag ccaaccctgg gggccactag gaccccaaac acctgtgttt tcattctgcg 180
tggtcctcctg gttccctgga gttctttttt atgctgcctc tgggtgagag tcctcagcat 240
ttaatttggt ctaagttaa aagctgcaag agcaaaacag aacccccaaa gcctggggcc 300
cacagctgct gcggtgatc agagatacga cccagagga ccacgtccac cargggccgg 360
atggacagcc acctatttg tamtccttgt ttcaaaagca acaatagcaa ataacattcc 420
aaaagttcta tgaatragact tcaagacact aggattta 458

<210> 104

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 104

tgtgtgtccg cgcaggcgag caccgcgccg gccctgagcc tcccgctcgc tccccacggc 60
cgcggtgcat gttcgctcc tgccactgtg tgccgagagg caggaggacc atgaaaatga 120
tccactttcg gagctccagc gtcaratcgc tcagccggag atgagatgca ccatccggct 180
gctggacgac tcggagatct cctgccacat ccagagggaa accaaagggc agtttctcat 240
tgaccacatc tgcaactact acagcctgct ggagaaggac tactttggca ttcgctatgt 300
ggacccagag aagcaaaggc actgggcttg aacctaacaa gtccatcttc aagcaaatgn 360
aaactcatcc accatacacc atgtgcttta gagtgaattt anccacatga acccttgaag 420
attaaagaag actcacaag 439

<210> 105

<211> 233

<212> DNA

<213> Homo sapiens

<400> 105

tcccaaagtg tggggattat aggcattgagc cactatgccc agcctacttt tgtttttaag 60
aaattgaaac gatatagaaa agtacaaaga acaacctaat aaacactcat attcccacca 120
ctcagaatta tcaacttttt atcattttat catatttgct tcagatcttt ttttttttta 180
aagaaaagta taacagattt agctaaagta ccctttgacc aatacccac ccc 233

<210> 106

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<400> 106

ggcagcggtg gccgaggcct cttggttctg cggcacgtga cggtcgggcc gcctccgcct 60
ctctctttac tgcggcgcg ggcagggtgt gcgggcggga aggggcacgg gcacccccgc 120
ggtcycyggg aggctagaga tcatggaagg gaagtgggtg ctgtgtatgt tactgggtgt 180
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tgaccttgac gatgtcattg aagaggtaga agactcaaaa ccagatacca ctgctcctcc 300
ttcatctccc aaggttactt acaaagctcc agttccaaca ggggaagtat attttgctga 360
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cgatgatgaa attgccaaat atgatggaaa gtgggaggta gaggaatga aggagtcaaa 480
gcttccagggt gataaaggac ttgtgttgat gtctcgggcc aagcatcatg ccatctctgc 540
taaaactgaac aagcccttcc tgtttgacac caagcctctc attgktcagt atgaggktaa 600
tttccaaaat ggaatagaat gtggtggtgc ctatgtgaaa ctgctttcta aaacaccaga 660
actyaamctg gatmakgtts agaggactat aaactgcctt catn 704

<210> 107

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 107

ggaatacccc ctcaattctg tggtttcttt cctgtagtag acgatcaagg gtggaatcta 60
cagtccatgg gccctgactt cttgccttcg tctcaaatag actctgcagc cagecatcta 120
tgacagcccc cagtggcttt gaaatgcaac agaaaccatc acccccggac catgggctcc 180
atgccagtgg gcaaagcaca ggtgcgttca ctgagttccc agcacatagc tgtggcaggc 240
acttggtgat attttgaaat aaaagaatgg aagaatgtgt ccaagctgtg cttccccctt 300
ctaccttact cagggacatg gtgccctcct ctctgggttyc ctgccctgtg ccamcccccg 360
scccctgcaa gcacagytct tatgtgcaaa gccctgtaa gtgctggagg gattactgat 420
ggcttngggg aagtggcaat gggat 445

<210> 108

<211> 592

<212> DNA

<213> Homo sapiens

<400> 108

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tctttccctt cctctgaggc cagccatccc catcccagga ggaggggaa gcaagcccg 180
ggagggcagg agagctccca gctcagtga gacgtccac cggccccgaa gcacctccct 240
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acttccatgc ccctctagct agggscatc acttcaagtt caggcgccaa aaaccaagaa 360
agtaaatcac acttcataga ctttatattac cttaaaaaat tcctgagttc attcatgtct 420
ccaaaccact agagaacctg aaaattcacc aggaaattgg gcaactgcaa gttatcctgg 480
agactccaga gtcaacactt cattaaatga gaacaatctg gttcatgcgt tgaagctgtt 540
acagtaatca gggcgacatg ggaggggaa gcgatttttc tgaagctgtg cc 592
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<210> 109

<211> 381

<212> DNA

<213> Homo sapiens

<400> 109

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gtcattataa gagatatatg gggaggatat aaataccaga ataaaaagat aaaagagatg 120
aaaatagtag tctctgggga gctaaagtct aaaatacaaa ggtgtgaggc agaccttata 180
tactacttaa cttgtatact atttatagcc cagtattctg ttttctagac ctgtccagg 240
gttaagggat ccaatctatg aaccagcaga gacccaatga ctaaagmcaa actttgctgc 300
acactgaaat cacctggggg aatcttttaa aaagtactga cgcctgactc ccaccacaa 360
acagtctgat ttaattgggc a 381
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<210> 110

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<400> 110

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cgttacgtta gaaaaatttc gttgcgtgct gaaagcgctt ttacctgtgt tgtatgattt 180
aaccttatga aaatggacag tatttccagt ttacaagtg aggaaagaag attaagaaac 240
ttgcctccgc cangcgtggt ggttcaactc ctgtaatccc agcactttcg gcggccgaag 300
caagcggatc acttgaggtc angagttcga agaccagcct ggcccaaca t 351
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<210> 111
<211> 1583
<212> DNA
<213> Homo sapiens

<400> 111
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cctgctcctt cctcatcgtg cttgtcaaca aggcgctgct gaccacctac ggtttcccgt 180
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gcctaccgat gtccaccgtg ctcaggaaat tcaccattcc acttacctta cttctggaaa 420
ccatcatact tgggaagcag tattcactca acatcatcct cagtgtcttt gccattattc 480
tcggggcttt catagcagct gggcttgacc ttgcttttaa cttagaaggc tatatttttg 540
tattcctgaa tgatatcttc acagcagcaa atggagttaa taccaaacag aaaatggacc 600
caaaggagct agggaaatac ggagtacttt tctacaatgc ctgcttcattg attatcccaa 660
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aaaaaaaaaa aaaaaaactc tga 1583

<210> 112
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 112
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ttcgttatta aacatacggc tcaagtgatc accggtatag acagtgacat cagacatctt 180
tcattagccc tactcaaaaa tggcggcaac gtaatatcct gggccggagt cggttgtaac 240
ccggaagtgc ctttgtaaag gaggggtggt tagacaatcc ggaartggat ggaatgaaga 300
gatgccactt ggcggcccat ggcagctggt agtatcggcg actccgggtm aaggcccgkt 360
csagttgcat taccatgggg cagcaccngg ttttaggggc agggacantt ttgttggtca 420
anttgttgct g 431

<210> 113
<211> 2842
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2040)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2656)
<223> n equals a,t,g, or c

<400> 113
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ccccgccag acgcctcgga gtgaggatgc caggtcatct ccctctcaga gacgtagagg 180
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agtggcaagt gagcagcttc taggccaaaa acttgtgatc tggggaacag atgtaatgt 540
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gattaatggt attggtgagc catttttaaa tgtgaactgt gaacacatca aatcatttga 720
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tgaccagctc atcaccatca gcggcatggt gatcaggaca tcccagctga tccccgagat 960

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gcacgccaca tgggtgtggt ctgcatctca gttggccgcc atcagtgtaa atagagctta 2760
aagtcatggt ttggctgcat aaaaattttc taacttgggt tcaatatttg tagtgaagta 2820
tctgttttca tttttttcac gt 2842

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<210> 114

<211> 268

<212> DNA

<213> Homo sapiens

<400> 114

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attttgctgc tgggtgggtt ggctacagca ggctcttga gccacaccag ggcacgggag 60
tgggtgcagg gaccgtcacc gcgccttcac acgcaccata gtgcccggct aattactctg 120
cttttatgag ccaaggtgtt cccgaaagtg garccagcgc cagcgtctc yaaggtctcc 180
ataccagcc ttcgtccctg cgggtgccaa aagccttgcg cgcattttgc atttgggaaa 240
aaaagtccctg aatgcgaacg tcacccca 268

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<210> 115

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (673)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (794)
<223> n equals a,t,g, or c

<400> 115
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cgaggcgctg ctccagccgct tccaggagac ggacagtgtg cgcttcgagg acttcacgga 180
gctctggaga aacatgaagt tcgggactat cttctgtggc agaagagaa atttagaaaa 240
gaacatgttt acaaaagaag ctttagcttt ggcttggcga tattttttac ctccatacac 300
cttcagatc agagttggtg ctttgtatct gctatatgga ttatataata cccaactgtg 360
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gcaagattta gtaaagtcac agcattttga tgcagcttat attttttagga agctacgact 480
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aattcaccga gctgaagtta cagaagaatt taaggacca agtgatcgtg tgatgaaact 600
tatcacttct gatgkattar aggaaatgct gaatggcat gatcattatc agaacatgaa 660
catgtaattc agntgataaa gtccaagcca gataaggcct taacttgata aaggatgatt 720
tttttgacaa tattaagaac atagttttgg agcatcagca gtggcccaaa gaccgaagaa 780
tccatcctta agncaaaaac 800

<210> 116
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<400> 116

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gctctgtttc agggcaaatg agggccagga gctgcctgtg tgactttggg gctccctctg 120
ccagtgacca atccctctta aaaagcagtc aggtcaatgc tactgagtag cctcagagag 180
aatcttctaa acaatacaag aaagagaaaag atagggtctct tttccctttt ggttctaagc 240
atcctttcct cacttcaggg taggggtggc aaagctctggg gtctcaatcc agaaggaggc 300
ctaagtgggc atcagactta aaataggcag gaggaagatg cggaggaggg tggcaaktag 360
aggtgagcca ttccccagag gaagatgcag ggggagggca ccctgggggtg aagccactg 420
agagccagca agtgccctgc gactgacctg ggggcctctg cccacttctt ttgaccaga 480
gttgcccttc agtaactcag ctgttcaagc ccacattccc taagatttat ctgtctctct 540
ctcccatatt ctctctngaa aagcagatgc ttgtctaata ccaaggaatt gnattttttc 600
cagccctggt ttcanaaaat ctggggcttt ggggaaaaaa aattnt 646

<210> 117

<211> 1534

<212> DNA

<213> Homo sapiens

<400> 117

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cgagctgccc gagctgctta aactttatta ccggaggctc tttccctact ctcagtacta 180
tcgctggctc aactacgggt gagtgataaa gaattacttt caacaccgtg aattttcatt 240
cacattgaaa gatgatattt acattcgcta ccaatccttc aacaaccaga gtgatctgga 300
aaaggagatg cagaaaatga atccatacaa gattgatata ggcgagat attctcacag 360
acccaatcaa cacaatacag tgaagctggg agctttccag gctcaggaaa aagaactggt 420
atgtgacatt gacatgacag actatgacga tgtgaggaga tggtgtagtt ctgcagacat 480
atgtcctaag tgctggaccc tcatgacaat ggccatacgc atcattgaca gagcattgaa 540
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aaaaaaaaa aaaaaagtcg agactagtgc tctc 1534

<210> 118

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 118
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aaacagcatg tgaatgtgta aggagtccaa gggagtcttt ggatgacctg tttcaaatat 120
gttctccatg cgccattgca agtgggtcttc ggaanacctg gctgaattga caacattatg 180
tttgaggttg aatgtattga attctaagat caaaagcacc agtggracat gtgggaccac 240
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<210> 119
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<400> 119
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gtgctaattg tgaaaagtat gggaaagtta taccagcaag tgctgttata tttgggatgg 180
cagtagaatg tgcagagata agaagacatc atagagtggg tattaaggac attgctggta 240
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ttgcaactaa raarcctggt aaaattggta ttcctgttat taaagaaggc atattagatg 480

ctgttggtggt ttggtttgta ctccagcttg atgatgaaca tagtttatcc acaagtccta 540
atgaggaaac atgttgggaa caagctgtct accctgtaca tgaccttgca gactaccgga 600
taaaacgtgg ggaccngtga tgatggaatg tcttgccaa gattgttact taagantcca 660
gaatn 665

<210> 120

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (603)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<400> 120

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aagtctggga aggtctgcga gagaagcgga gtgttttcag ctccggaagt ggcagttgta 120
aacttcacct cccgggggct ctcccccttc tgtaccctt tgctgtttgt cccctccctc 180
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gcctcctttc acccgtgaga cttggarcgg ccctggggtc ttgggtgtca agcacggatc 300
acgcgagacc cctgagacct caaatcatct aacgtgaagc cacagacatc ttggcaattt 360
taatcatcaa gaaagaaata tgtcattaag aaatagcagg gtattttgaa agaagttgga 420
aaacatcatg aatttgaata ctttaagtaa tactgggtgat acccaaaggt tgaagattgc 480
ctcattggat gtaaaacaaa tacttaaaaa tgaaacagag ttggatatta ctggataatc 540
tcangaagaa actccattgg gctaaaaaag aaaagtntga aataccacca accccatgga 600
aancttgcaa gctntgaagn ca 622

<210> 121

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<400> 121

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tttaattggag gttacagtgg atagaaactg cctagagggt cttccaacaa aaatgtctta 180
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acctctcaca tctttcaggc cacagtgtag ctttatggga atgggtattt cccatgatat 420
gctgctagga cgttggcgcc tttctttaga actgttcggc aggggtattca tggaagatgt 480
tgagagcagaa cctggatcaa tcctaactga attgggtggt tttgaggtaa aagaatcaaa 540
attccgcaga gaaatggaaa aactgagaaa ccagcagtca agagatttgt cactagaggt 600
tgatcgggat cgagatcttc tcattcagca gactatgagg cagcttaaca atcacttttg 660
tcgaagatgt gctactacac caatggctgt acacagagta aaagtcacat ttaaggatga 720
gccaggarar ggcagtgggt tagcacgaag tttttataca gccattgcmc aagcattttt 780
atcaaatgaa aaattgccma atctagagtg tatccnnaaa aaaaaatttn ggccccccca 840
aaaacccaaa aaaaaggggc caacccccaa ccaccaaaagg gttttttaa 889
```

<210> 122

<211> 132

<212> DNA

<213> Homo sapiens

<400> 122

```
cttgagcccc tgagttgttg gggtaggggt aagagcatat cccacaagag gccccacagg 60
gagcagagac tgctttaatc cctgctgaca tcacggaaaa gcaacagagc cttttcaact 120
ttgtcactat gt 132
```

<210> 123

<211> 1900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1879)

<223> n equals a,t,g, or c

<400> 123

```
gcgagcgcnt gggaaacagc cgattggaga cgggagccaa ccaggggctgc attggagggtt 60
gaaatcacaa agattagaca cctttttaga taggtgttct tcagcaccac tgacaacacg 120
gttctgacag tatttcatga caatggatgg tgacagttct acaacagatg cttctcaact 180
aggaatctct gcagactata ttggaggaag tcattatggt atacagcctc atgatgatac 240
tgaggacagc atgaatgata atgaagacac aaatgggtca aaagaaagtt tcagagaaca 300
agatatatat cttccaatag caaacgtggc taggataatg aaaaatgcc aacctcaaac 360
gggaaagatt gcaaaagatg ccaaagaatg tgttcaagaa tgtgtaagt agttcatcag 420
ttttataaca tctgaagcaa gtgaaggtg ccatcaagag aaacggaaaa caatcaatgg 480
agaagatatt ctctttgcta tgtctacttt aggctttgac agttatgtgg aacctctgaa 540
attatacctt cagaaattca gagaggctat gaaaggagaa aagggaattg gtggagcagt 600
cacagctaca gatggactaa gtgaagagct tacagaggag gcatttacta accagttacc 660
agctggctta ataaccacag acggtcaaca acaaaatggt atgggtttaca caacatcata 720
tcaacagatt tctggtgttc agcaaattca gttttcatga tctgaagaaa tgatggaatg 780
gggagtgtag agaaatgaga gtctgtatga ttctggaaca gagacatcag aaggaaagac 840
tgggtaaaaa atgtatcttt gtatattaat agctgtaatg tagcttcctg atgcttgact 900
aattgaggtg ttaattctga cttgagaatc tttttcatga atgattttta agaaaaatth 960
ggatttttaa ggtattaaaa tatttttgggt ttgtacgaga gtttgttgct ctgtatgact 1020
cctgtatgca ttgtatattg caattttatta ctgtcagaga tttgtagaca gtttcttatt 1080
ttcatattga atcatgttac ttttgaatt caagtaagcg gctgggttaa ttcattgatgt 1140
ttgccctttt aataaaatat aagggtagag ttcattttga atgcaagttg cctttattat 1200
aaatttgagt ttgtcttggt tataccttgc atgataacct agctagattt ctagcatttg 1260
ctgtatttat taaaattatt atttttttgg taaaacatta atagtttaag cagcatcatt 1320
tttttaaaaa atgtaattga ataagtgtga atgcagaagc aaatattgtc tgccctgtta 1380
aacttggtgc ccattaacag tgtttacact gttcatcgtg cctgttaatg tagttttagt 1440
taytgagct tttttaagac tagatttgggt ttgagttac atttttaaga atgtgggaat 1500
atatttaagt ttaatgtagt cctagtgtc ttgaaatggt gcccctttca tttggtacat 1560
gatttttttt caaatcatat cttcaagtac tatagtattc tcttacagaa gaggagtttt 1620
atagtctgat ggtaaatgtc ttcattttac ctttttaatt gaaatgtcaa gtttcctgtt 1680
acactatgga aaccaagaaa catcagacat cattgcgtgt acagaccttt tgcatgggtg 1740
agtggatgaa atggagaaca gagtgagtgc tgtgaacggt gtgaaataga agccaacttc 1800
tagtatgctg tcttcatctc tgcaataaac taaacgtaaa taawrwaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1900
```

<210> 124

<211> 1250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (874)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 124

```
ggcacgagga ggaaactaac gattccctgc ccaccccccac acccagcacc accaacaggt 60
gggcaagctt gccgagaaaa cgagaggggc atcctgtgag cagcaaacac atctgagcct 120
ggaaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
ccagcctcca atccgacccc catttcgggt gcagcctcgg acctagctcc ggccctcgggt 240
ctatccgggtt gcatcctccc tccctgttcc ggatccttatc ttgcgccagc gcctactcca 300
ggatcccgtta gccagacctc aagccatggc tggccccctc tcccgtctgc tgtccgcccg 360
cccgggactc aggtcctcgg ctttgccgg agcgggggtct ctaccgctg ggtttctgct 420
ccgaccggaa cctgtacgag ctgccagtga acgacggagg ctgtatcccc cgagcgctga 480
gtaccagac ctccgaaagc acaacaactg catggccagt cacctgacct cagcagtcta 540
tgcacggctc tgcgacaaga ccacacccac tggttggacg ctagatcagt gtatccagac 600
tggcgtggac aaccctggcc accccttcat caagactgtg ggcatggtgg ctggagatga 660
ggagacctat gaggtatttg ctgacctgtt tgacctgtg atccaagagc gacacaatgg 720
atatgacccc cggacaatga agcacaccac ggatctagat gccagtaaaa tccgttctgg 780
ctactttgat gagaggtatg tattgtcctc tagagtcaga actggccgaa gcatccgagg 840
actcagtctg cctccagctt gcactcgagc agancgacga gaggtggaac gtgttggtgt 900
ggatgcactg agtggcctga aggggtgacct ggctggacgt tactataggc tcagtgaagt 960
gacagagggt gaacagcagc agcttattga tgaccacttt ctgtttgata agcctgtgtc 1020
cccgttgctg actgcagcag gaatggctcg agactggcca gatgctcgtg gaatttgga 1080
caacaatgag aagagcttcc tgatctgggt gaatgaggag gatcatacac ggggtgatctc 1140
catggagaag ggtggttaaca tgaagagant gtttgaaaga tctgccgagg cctcaaagag 1200
gtrgagagac tatgtagggg actaggtggg aggacataag gaaaaccaa 1250
```

<210> 125

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1144)

<223> n equals a,t,g, or c

<400> 125

```
ctttttttaa ccccttaggt atctgatcgc tttgccaaat ttgcgttact gggcaggcta 60
agagatcttc ttttaattca gcctgcttaa gacgggaact gataactgta gtgtatcctc 120
tgcccttttt cttatctatt ggaggaagct cagatgggtg cacaagaagg atctgaagtg 180
gagcttctag tatccccagg agcgcgaagt gaacacggaa ggtacctgca ggatccaatt 240
gtgtccattg atctctcaga gtggctgagg ataatagagt ttcttcttca aggtctcaag 300
gtctgaagca tcccacagaa tgatcctact gaataactcc cataagctgc tggccctata 360
```

```

caaatccttg gccaggagca tccctgagtc cctgaagggtg tatggctctg tgtatcacat 420
caatcacggg aacccttca acatggaggt gctgggtgat tcctggcctg aatatcagat 480
ggttattatc cggcctcaaa agcaggagat gactgatgac atggattcat acacaaacgt 540
atatcgtatg ttctccaaag agcctcaaaa atcagaagaa gttttgaaaa attgtgagat 600
cgtaaacctg aaacagagac tccaaatcca aggtcttcaa gaaagttag gtgaggggat 660
aagagtggct acattttcaa agtcagtga agtagagcat tcgagagcac tcctcttggt 720
tacggaagat attctgaagc tcaatgcctc cagtaaaagc aagcttgga gctgggctga 780
gacaggccac ccagatgatg aatttgaaag tgaaactccc aactttaagt atgccagct 840
ggatgtctct tattctgggc tggtaaatga caactggaag cgagggaaga atgagaggag 900
cctgcattac atcaagcgct gcatagaaga cctgccagca gcctgtatgc tcggcccaga 960
ggagatcccc gtctcatggg taaccatggg acccttcttg tgaagtagga atggcctaca 1020
gcatggaaaa ataccgaaga ncaggcaaca tgggcacgag tgatgggtgcg atacatggaa 1080
atatctgcgt cagaaggaat atttccattt ttacatctct gtgttgggaa ggaaantgaa 1140
ggantccccg cagatttggt gggggcagtt ttggtttctt ttgaggcct 1189

```

<210> 126

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 126

```

gaggctctga gagactgtra gagccccaac tccattagta ttatgggcct caatacttcc 60
cgggttgcaa ttaccctgaa gccccaagac cctatggaac agaacgtagc tgagctgttg 120
cagttcctgc tgggtgaagga tcagagcaag taccctatcc gggagtctga aatgcgggaa 180
tatattgtta aagaatatcg caaccagttt cctgagatac tcaggcgagc agcagccac 240
ctggagtgca tttttaggtt tgaattgaga gaacttgacc ctgaggcaca cacctacatt 300
ctgttaaaca aactgggacc tgtgcccttt gaagggttag aagagagccc aaatgggcca 360
aagatgggcc tcctgatgat gattctangc caaatattcc tgaatggcaa ccaagccaag 420
gaggctga 428

```

<210> 127

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 127

```

acgcggtcgg ccgggagccg gggaggagcg tggacgccgg cctggcaggt acccccgcga 60
gaacgtggga gccggtgtat ttacagctga tttattactg atctcgggct gcaccagggc 120
actttagtag ccgcactaaa aacagcggaa agtgaggagc caagcctggg tccggggcgg 180
cccgccttac agctggcctc acggattcca ctgcctgcgc ctgcagatga cttgttctgg 240
agagtagaga atgtntcctg atttaaagta caatccggtt tcctttccat tcattatagt 300

```

tgctacact caacaaacaa aagttgggaa agataaaggg attattctag cgcgtcacat 360
tgacaaacac cgacgttaac acgctcagtc cagcctgact cacttgctc aggtcagaga 420
ggtcaccact gacgacgccg ggccctcaag ccgatcctaa tccagcttg ttctctcagc 480
ctcagccaga ccatccgttc ttgcctctgt cccaccacgt gcaggtgtaa gytccgccg 540
cacttcttgt ctgaatctgc caaggaagga aactggcatc tttcagctta aattcttttt 600
cacttgatca ggggtaggag tttaggcgtt tttttttttt aagga 645

<210> 128

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<400> 128

ctggagtctc aacgacgcgc acacgagaag taaggagcgg aaggtgggaa agggccggaa 60
aacacacgtt cctccgaaac cggtttgcaa gtccttgtag agagtgatag attcgtgtgg 120
cctttcaaat gattgtgaag tggtggaat ggatccaaaa taataagtga cttctctacc 180
aaagcataga agattcttca tatctccttc cagtggctca atttagattt tgggaargag 240
cagaacaagt gaaacacaga aaactgaaga gaagaaatcc tcattttgga cctatatattc 300
tccttgacta tttcttaata tccatcctac ccacgttctt aatgttttaa ctttgctctg 360
aatttataaa tagtaaaggc caaagacata gaataacat ttagtagctt tataccaaga 420
aatttgccctt gaaagctgct gtscgtggag gggaaagtgt agcaaattcc tggcnatttg 480
naattttaan ttattg 496

<210> 129

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 129

ctggcgcccg caggagcgcg tgcggcgtgg actttgccgg gctcgccaca cagccccaga 60
cccgttttag accgggagac cgaacgcagc gwccagccgg ggagtttcgg cggcgttctc 120

cgggcaccgc gcgcggaagc cagacgcagc ggggggacac atctcgcggt ggcgttgcca 180
gagtgaggag ttagcaggca ggacttgacg aggcctcttg gtttttctag tcctcaacca 240
ctgaagaaga agcttgatgc ttggctgtca gaagacatga attacgcacg gttcatcacg 300
gcagcgagcg cancagaaac ccttctccca tccggaccat gactgacata ttgagcagag 360
gaccaaatac gatgatctcc ttggctggtg gcttaccaaa tccaaacatg tttcctttta 420
agac 424

<210> 130

<211> 1709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (881)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1028)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<400> 130

tggaccgcag cttcctggaa gacacaaccc ccgccaggga cgagaagaag gtggggggcca 60
aggctgcccc gcaggacagc sacagtsatg gggaggccct gggcggaas ccgatggtgg 120
carggttcca ggacgatgtg gacctcgaag accagccacg tgggagtccc ccgctgcctg 180
caggcccccgt cccagtgcaa gacatcactc tttcgagtga ggaggaagca gaagtggcag 240
ctcccacaaa aggccctgcc ccagctcccc agcagtgtc agagccagag accaagtggg 300
cctccatacc agcttcgaag ccacggaggg ggacagctcc cacgaggacc gcagcacccc 360
cctggccagg cggtgtctct gtctgcacag gtccggagaa gcgcagcagc accaggcccc 420
ctgctgagat ggagccgggg aagggtgagc aggcctcctc gtcggagagt gaccccagg 480
gacccattgc tgcacaaatg ctgtccttcg tcatggatga ccccgacttt gagagcgagg 540
gatcagacac acagcgagc gcggatgact ttcccgctgc agatgacccc tccgatgtga 600
ctgacgagga tgagggccct gccgagccgc cccaccccc caagctccct ctccccgcct 660
tcagactgaa gaatgactcg gacctcttcg ggctggggct ggaggaggcc ggacccaagg 720
agagcagtga ggaaggtaag gagggcaaaa cccctcttaa ggagaagaag aagaagaaga 780
aaaaaggcaa agaggaagaa gaaaaagctg ccaagaagaa gagcaaacac aagaagagca 840
aggacaagga ggagggcaag gaggagcggc gacggcggca ncagcggccc ccgcgcagca 900
gggagaggac ggctgccgat gagctggagg ctttcctggg gggcgggggc cgggcggccg 960
ccaccctggg ggtggcgact acgaggagct ctaggccggc gtgggcagtg gccgccctgg 1020
ggcggggngc gtgcctgtca ctgcctgggg aggcatttgc ntctgtacca tcgcctttgc 1080

```
cgctgccccg ttggtgccgt gtgcgcttct gagctggaag aggccgggca ttggtggtcc 1140
ccaggctggg ccctgcaggt gctgggcntt cagccyagtg tgagcctgct ctgcaagaag 1200
ggaggggaca gctggcttca gccaggctcg gtggacaccc tggccctctc ggggcagagc 1260
cgccagtgtt tctcagggat gtgactgagg cccaggaggg acctgtgagg gtctgtttac 1320
agaggctggg caggggccgc ttggctgtgg ggtgtgcgct gccccggcac ctgcttgccc 1380
tccgcgctca tctggggccg cagcatgcct atggttccgc ttccggccgg gagccctgaa 1440
cacgggtgtg cagactcacc ctaaaaggcg gccaggccc cacgctagaa ggctggcgag 1500
accgaagcag catgtgaggc ctctcctggg agtgggggtt gtgtttccca cagtggcctc 1560
agctgcgcc ccgctcaggt gagcccgaag gcaggagccg ggaggcactc ctcccaaaca 1620
ctccactcag accataaagc actcctgttt cactctgaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaggcg ccgctcgcga tctagaacc 1709
```

<210> 131

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (683)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (723)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 131

```
ctcgtcgcga ttggttcagt gcactctaga aacactgctg tgggtggagaa actggacccc 60
aggtctggag cgaattccag cctgcagggc tgataagcga ggcattagtg agattgagag 120
agactttacc ccgccgtggt ggttggaggg cgcgcagtag agcagcagca caggcgccgg 180
```


tcccgaggag cccgctctgc tcgcgcgcgag atgtggaatc tccttcacga aaccgactcg 240
gctgtggcca ccgcgcgcgcg cccgcgcgtgg ctgtgcgcgtg gggcgcgtggt gctggcgggt 300
ggcttctttc tcctcggtt cctcttcggg tggtttataa aatcctccaa tgaagctact 360
aacattactc caaagcataa tatgaaagca tttttggatg aattgaaagc tgagaacatc 420
aagaagttct tatataatct tacacagata ccacatttag caggaacaga acaaaacttt 480
cagcttgcaa agcaaattca atcccagtg aaagaatttg gcctggattc tgttgagcta 540
gcacattatg atgtcctgtt gtcctaccca aataagactc atcccaacta catctcaata 600
attaatgaag atggaaatga gattttcaac acatcattat ttgaaccacc tyctycagga 660
tatgaaaatg gttcggatat tgnaccacct ttcagtgtt tctctctca aggaatgcc 720
ganggcgac tagtgtatgn taactagcac gaactgaaga cttctttaa ttggracggg 780
acatgaaaat canttgctc ggggaaaatt gtnattgcc agatatggga aagttttcaa 840
naggaaataa ggggttaaaa tgccca 866

<210> 132

<211> 1593

<212> DNA

<213> Homo sapiens

<400> 132

gtttagtgta gctgagatca tgccactgca ctccaacctg ggtgacagag cgagactcca 60
tctcaaaaaa aaataaataa ataaataaat aaaaccttaa tttgatggtg gttttatgtc 120
tgccatttcc atttagattc aaagaatcct aagaataatg gtggagcaaa gcttattttt 180
ctgttttttg aatcttgtaa ggcattggtgc caaacccaat gaaatggtgc caaaaagtcc 240
tgcagctgga actagagcta gagtctaagg gttctgatcc tttagctcaa ggccttctca 300
taaactcctt gacactttca cctccaaca cagtcagtca gtctctgtt ttctggttgg 360
gtttctatat aaaactttcc attttgagta atgatcttcc cctcttgcc tttcttctac 420
atattccaat aaagacctt tttgtcttca actcctgtca cttggattcc aggacttctt 480
ccatccctca tgtttgttcc ttactttgcc agcctcggcc atttctgtat cccctgcct 540
gggkttgctg ccttttatgc tcctamotca ccaggtaaca ggaacatgaa gatggctata 600
tgcggctgca gctggttcgc tamgagagt tagagctgac acagcaactg ctgcggcaac 660
cacaagaggg atcgggctgg gaacgtcgt gaacgagagc agcctgcarg gsattattct 720
agaaacagt ccaggggagc caggacgtaa ggaagaggaa gaggagggca agggtagcga 780
agggacagcc ctctcagcct ctcaggacaa cccagttct gtcattccac tggatgaatca 840
gaccaatgcc caaggccagc aararattgt ytactatgt ctgtctgaag cccagggag 900
ccttccccca gccctgagc cacttcagc gggcatcatg gaaaagctt aaggaatagc 960
tgaggagcca gagatccaga tggtttgaag gccgcagagc cagaccattt cttccccag 1020
tcctgaagtt tgagccagc aagtggcagt gccctagtg ggcagccgtt gccaatggat 1080
gccttttaga gtggtgccga gagcagtgtg gtccactctg gcctgggtt gcattattct 1140
gcagactcta aagacttccc tttcttgcca gactacattt tgtggggagc ctgaggactc 1200
tggattcttt gaggggatcc tggatgtgtg tgttcttgtt aaagaggctg ttatcaggct 1260
taacyataac cctcaagatc tgcttgacag tgattaaatc cttagctcac atccattccc 1320
atctttcggg ctcttaggc ccaaggatgg catgtgactg gtccctgcaa gggtcctttc 1380
tttgtcacca gccaaagcat tgataacca gtagccattt tcctcttaag gtttctctca 1440
caaccccaag gactttcatg attatcctca gggacaggat tggaggcatt gagcgtgttt 1500
attaacaaat tgtttttggt aataaaataa atgcttgga aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaactcg tag 1593

<210> 133

<211> 408

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 133
tccttctgac gtcaatgtga tggcggaatc gctgaaggat atggaagcag atgcgcagaa 60
actgtaccag ttaatctggc gtcagttcgt tgcctgccag atgaccccag cgaaatatga 120
ctccacgacg ctgaccgttg gtscgggcga tttccgcctg aaagcacgcg gtcgtatattt 180
gcgttttgay ggctggacaa aagtgatgcc tgcgttgctg aaaggcgatg aagatcgcat 240
cttaccagca gttaataaag gcgatgctct gacgctcgtt gaacttacac cagcccagca 300
ctttaccaag ccgccagccc gtttcagtga agcatcgctg gttaaagagc tggaaaaacg 360
cggatcgggt cgtccgtcta nctatgcgtc gatcatttcg accattca 408

<210> 134
<211> 2741
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1673)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2736)
<223> n equals a,t,g, or c

<400> 134
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<211> 686

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (655)

<223> n equals a,t,g, or c

<400> 135

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<210> 136

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 136

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gactaaatta gataatctct aaactccctt ttagttctaa aattctgtaa ttaactccta 180
gcatatcatc atttttagact aaaagttttc ttcttctctc tcttttttnt tttggttttt 240
tn 242

<210> 137

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 137

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ctggaagggt ttttagcttg ctctccagtt gcctcagcag ctttggtctc gtgccacagt 180

gagcccaagg ggaaggtgat ggaacagcat cacatctgca ggctcagtgt tttgtttggt 240
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tccagtgtct gcaattccaa aatgnccctt ggatggaggg ttggtgagaa tgtcaccaca 480
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<210> 138

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<400> 138

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<210> 139

<211> 2771

<212> DNA

<213> Homo sapiens

<400> 139

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aggtaaattc ttgggacctg gagaagaagt aacgagttag ccacgctgta aaaaattgaa 180
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gattgacaat gaattattcc agttttacaa agaaattgaa gagcttgaaa aggaaaaaga 660
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aaaaaaaaa a 2771

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<210> 140

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 140

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tatgcaagta tataccacct tacataaacc tcactttaga taccctcaag tgattgcaca 180
tcaagatctt gcaaattgaa aaatacatta agtatgccat ggggttgact ttttatcaga 240
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tatttacgta ttttataaac ctacatttng gkatawgaag tcttttcytc tttttttgag 360
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cn 422
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<210> 141
<211> 1630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1566)
<223> n equals a,t,g, or c

<400> 141

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<210> 142
<211> 264
<212> DNA
<213> Homo sapiens

<400> 142
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tgaagacaat cctggaagag cttgttcaga ggggtcatga ggtgactgtg gtwracatcy 180
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<210> 143
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<400> 143
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gaatgacgtc cgcgccgcc ataatgcgat gcgaawatgc tcgtgatagc caatctgaac 600
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<210> 144

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 144

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gactgtatca aggaaktgga gcagttaccc aggtggccaa ggctaccagg gaccgntatc 480
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<210> 145

<211> 1945

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1934)

<223> n equals a,t,g, or c

<400> 145

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acaatgcagt gaatcacaga tgtctcctga aagaactctt ttagatgaaa tcattctact 1620
caaatgtacc ttaatTTTTT tttttccct gagtaaaagc aagaaatttc ttcctttgga 1680
aaaaatatat atattaaaa accactttta gatgggtttt tttaaaaaaa aaaaaaaact 1740
ggtaaaatta cttttggcag acagtgtttt atgaattatg tatcatgttg atatataata 1800
tgtaaatgtg tcagttaatt ttactttgt acaaagcaaa taaagatctt tctcaaaaata 1860
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ttactgcggg ccgnaagggt aattc 1945

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<210> 146

<211> 1114

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1034)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1055)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1108)
<223> n equals a,t,g, or c

<400> 146
agagtgcgct gcgtttcgat gagccgggac gtggcgccrc tctagccagc gcctgggctc 60
tgtggcgggc gccgcagctc cgcgtccccc gcgcctcctc ccagcgcaga cttcaagggc 120
taccactgga cccttccctt gtcttgaacc ctgagccggc accatgcacg gacgcctgaa 180
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cactgacagc ctcacacccc gaaacttctc caactactct tcttggcatt accgctcctg 720
tctcttgccc cagctgcacc cccagccgga ttctggacca cagggggcgc tccctgagga 780
tgtgtgctc aaagagctgg agctgggtga gaatgcttct tctactgacc caatgaccag 840
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gcanaaattg ggctggggca aggtggnntg gaaa 1114

<210> 147
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 147
ctcgggctga gtagtggcgt ggccgtgagg tccctgcgcc tgcgccctgg atggtcctgg 60
tgccgctccc gccttcgcag ccagcgcggg cttacctagt gttaagtctc tcttcttggg 120
tgccccacgc ctaagcgacc tatgcttctt gttcttctga aatcttacag ttccccctag 180
atgtaggttg gctatttgta gcttccgatt cagataagtt tggaacttga cagatgtttt 240
cggggggctg ctttagagag aggccttgga ctatgcaagg ggaggaagga ggttcagaaa 300
aacggggctg gggggctggc aggacgactc ttraartgtg gaaggtggaa gctgggaggg 360
gagataaagg gcaccraaga ccagcttggt tgctcctatc aaggtgatcc tttccagagc 420
aagagccata tgnatgtcta gtcgcacgag tttgtgcca gtcctttgca aaaaccttca 480

gatgtnggat ctcatgtaat cttgaagaca tcttagtcgt cctaagggtt aattatttaa 540
ttgatg 546

<210> 148

<211> 1763

<212> DNA

<213> Homo sapiens

<400> 148

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ccgcgcactt ccgcgcctcc cacccttcctt tcgcccttcc accakacctc cctcgacgcc 120
cgacagctgc tctgggtact gtttccgggt caggggtgacc tctggggtga ggaaactgcg 180
actgggagcg ggacccaggc gtgcagcatt cgccatgctc cgctcacgcg tgggagactg 240
ggctgtgggg taccggcccg gaaagcacgc agcctccaaa gccgccttcc tcagggaat 300
ttgcgtgacc ttactgccct ccgtctacag gccttgtacc tctccaggcc gatttttcca 360
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gccgggcgcc aggcgtcggc ttgtataacc tgaaaacgct cctgtttttc tcatctgtgc 480
agtgggtttt gattcccacc atggccatca cccagtttcg gttattttaa ttttgtacct 540
gcctagcaac agtattctca ttcctaaaga gattaatatg cagatctggc agaggacgga 600
aattaagtgg agaccaaata actttgccaa ctacagtga ttattcatca gttcctaagc 660
agacagatgt tgaagagtgg acttcctggg atgaagatgc acccaccagt gtaaagatcg 720
aaggagggaa tgggaatgtg gcaacacaac aaaattcttt ggaacaactg gaacctgact 780
attttaagga catgacacca actattagga aaactcagaa aattgttatt aagaagagag 840
aaccattgaa ttttggcatc ccagatggga gcacaggttt ctctagtaga ttagcagcta 900
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ggttacctga cctaaattag ataaattgta gggctttagc tttcttattt ttgtcaaaag 1620
ttggtgttga catacattcc ctctaatttg aactgggtatt gtttacgttt gatacaacat 1680
taaggaattt gatgattttc atttcatgaa aatgacatta aatgcaataa ttttacttat 1740
cataaaaaaa aaaaaaaaaa aaa 1763

<210> 149

<211> 371

<212> DNA

<213> Homo sapiens

<400> 149

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ctgacagctg tgccgtatc aagcatcagt ctctcaacaa gttgccccag cctgacagtg 120
ctagtctctg tttaatggta aaaggagact ttgccataat tttcagatga agatgtttcc 180
caaacactgt ttacagaatg agatgtgact ctacagatac ctcatagaag acaatccaag 240
atcatacttc attaacttga cagagtacgt gtcttaaagg aagcatcagg aattccaata 300

tttgcmittta aaatactttt twagggcctt ttatattagg ccatgcttgg aaaactggat 360
tttttttatt a 371

<210> 150

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<400> 150

atnttcagga atcctcacgc aaccggaag aagcgcaagg gctggaccgc taaacctgag 60
ggcgcccgcc ctgcgcacgg gaacctggac tggaacccta cttgcaggtc cccaacttgc 120
gtctctyctc tctgtctcta cccagccaa ggacaaagac ttctcctccg gaaggcctcc 180
cccagctgag ggaacgttcc aggtcytccc tcggccctgg ctgcgcgccc ggtgccggct 240
ctgacgtggg ttctctctcc ctacaggactg gtctgtctcg ctctcgtgg cctccctcgc 300
ggcgcccttc ggytctctct tctctacgg ctacaacctg tcgggtgtga atgcccccam 360
cccggaagga caattttgnt gggccaataa atggggtttt gaaatttntt gttggatttg 420
ntgaatgggc tt 432

<210> 151

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<400> 151

gaaagcaaag ttcaacatca ctggtgcctg cttgaatgac tcagatgacg actcaccaga 60
cttggacctt gatggaaatg agagcscatt ggccctattg atgtctaacg gcagwacgaa 120

aaggggtgaag agtttatcca aatctcggcg aaccaagata gcaaagaagg tagacaaggc 180
taggctgatg gcagaacagg tgatggaaga cgartttgac ttggrrtcag atgntgagct 240
gcagattgac gagagattgg ggaaagagaa ggcgaccctg ataataagac caaaatttcc 300
ccggaaattg ccccggtgcga accttgctct gacccaacc gagttcgtga accaggagaa 360
gttgagtttg acattgagga ggatatacaa cagatgaggg t 401

<210> 152

<211> 851

<212> DNA

<213> Homo sapiens

<400> 152

tctccggata actgtgctcc tgacatcctt ccttatgggt ttgggaactg gtctaagatg 60
catacctata tcagacttaa tccttaaaag aagattaatt catggaggac agatgttaaa 120
tggaattgca ggtccaactg taatgaatgc agcaccattt ctctctacga cgtgggtttc 180
tgcagatgaa agggccacag ccacagctat tgcataatg ctcagttatc ttgggggagc 240
atgtgcattt ttagttggac cacttggtgt tccagctccc aatgggacat cacctcttct 300
tgctgcagag agcagcaggg cgcataatga agatcgcata gaggtgtgtg tataatgcaga 360
atttgaggtt gtctgcttaa tattttctgc aacactagct tatttccac cccgacctcc 420
tcttctccc agtggtgctg cagctagcca gcgtgagtta tcggagaagc gttttagatg 480
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caaggtttgc agattttatc aggggtatgc tgaaactaat tcttctcctc ctgttttcgg 720
gagctacact gtcacccacg tggttcacc tgamctgtt gaacagcatc acacacctac 780
ctttaaccac agtgacattg tatgcctcct gtattctcct gggagtgttc ttgaatagca 840
gcgtgcctat a 851

<210> 153

<211> 1678

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 153

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ggccttggtc agcatctagg tgccaacagg gcaaggcg ggctctggag aatgaaggct 120
ttatagggtc cctcaggag gccccccagc cccaaactca ccacctggcc gtggacacct 180
gtgtcagcat gtgggacctg gttctctcca tcgccttgct tgtggggtgc actggtgccg 240
tgccctcat ccagctctcg attgtggag gctgggagt tgagaagcat tcccaacct 300
ggcaggtggc tgtgtacagt catggatgg cactgtgg ggggtgctct gtgcaccccc 360
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acaacctgtt tgagcctgaa gacacaggcc agagggtccc tgcagccac agcttccac 480
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tcctgggct gccaccag agccagcact ggggaccacc tgctacgcct caggctgggg 660
cagcatcgaa ccagaggagt tcttgcgccc caggagtctt cagtgtgtga gcctccatct 720

cctgtccaat gacatgtgtg ctagagctta ctctgagaag gtgacagagt tcatgttgtg 780
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gaggtttgtt caggtccccc aaaccaccgt cagatttgat gatttcctag caggacttac 1620
agaaataaag agctatcatg ctgtgggtta aaaaaaaaaa aanaaaaaaga agtcgacc 1678

<210> 154

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1148)

<223> n equals a,t,g, or c

<400> 154

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gtggcctctg ctgtcccctc agcacgaccc cgccaccaga agtccatgtc cacttctggt 120
catcctatta aagtcacact gccaacatt aaagacggct ctgaagctta ccggcctggt 180
acaacccaga gagtgcctgc tgcttcccca tctgtcaca gtattagtac tgcgactcca 240
gaccggaccc gttttccccc agggagctca agccgaagca ctttccatgg tgaacagctc 300
cgggagcgac gcagcgttgc ttataatggg ccacctgctt caccatccca tgaaacgggt 360
gcatttgcaa tgccagaagg ggaacgtcaa ctggtataat aagcaaaatc acatccaaat 420
ttgttcgcag ggatccaagt gaaggcganc agntggcaga accgacacct caagaagtac 480

atcaggggaa ccaaaagaaa gagacaagga agagggtaaa gattctaagc cgcgttcttt 540
gcggttcaca tggagtatga agaccactag ttcaatggac cctaatagaca tgatgagaga 600
aatccgaaaa gtgttagatg caaataactg tgattatgag caaaaagaga gatttttgct 660
tttctgtgtc catggagacg cttagacagga tagcctcgtg cagtgggaga tggaaagtctg 720
caagtgtcca cgactgtcac ttaatggggt tcgcttcaag cgaatatctg ggacatctat 780
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cttaaaaagt aggttcacat gtacaggtaa gtatatgtg tatttctgtt cattttctgt 1080
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gcggccgnca agggaatt 1158

<210> 155

<211> 1969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<400> 155

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cggaggaggc cgagacgctg gcagagaccg agccaggtaa gcggcgaggc cggggaagg 180
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ccacagctca gggcggcgca ggattctgac accgcaggat tcgcccgtt ccgtgccttc 360
cgttccctgg ggctcagaag ccggcgcgac tgcagcgcca ccgccttcca ccgtcccagg 420
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aataataact tattaacagt gacaaagcag gggttgacca gcaaagcctc cgtgtgcttc 540
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aatcaagtgg tattttccag cactttgtat gattttggat gagttgtaca cccaaggatt 1860
ctgttatgca actccatcct cctgtgtcac tgaatatcaa ctctgaaaga gcaaacctaa 1920
caggagaaag gacaaccagg atgaggatgt caccaactga attaaactc 1969

<210> 156

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<400> 156

aattcggcac gagaagaaag aaagaatgaa agaaagaaaa gaaaagaaag aaaggaaaga 60
aaaaggaaaag aaagaaaagg aaagaaaggaa agaaagaaag agagagaaag aaagaaggaa 120
aaggaggaaag ggaattccag gtatatacca ctgcatgagt aaaggcaggg ttgtggatag 180
acatagttga tttgtagggc ccttgtttgc caagaatagt cctgctttac ccctgttgtc 240
ctgatgtaat tattaataat actgcctcat tcagtcttaa ataagtcctg grtttgact 300
agaaattata tggctaccyc tttatgtggg actaaaagta attccttgrg acmgggaent 360
ggagtnaggt gcccaaggaa agctagaagg tagtttntc 400

<210> 157

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<400> 157

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tgccaagtct gaaaattgtg tccacaagat ttgattggta gtattttcta tcattgtaca 120
acttaaaata tcttctaatt tccatttttt ttttttgaca tgagttgtat agaaatgtgt 180
gcttcagttt ctgttatagc aacaactcct gtcacccata gccttacaaa aattccta 240

ttaatatattt aaatttttaga attckacrag cagaattaca aaaagagtaa ctaacaagaa 300
agtgaattg tgatgggata acggaatgtc aagtctaatt gtcaggaaaa gacaaaataa 360
catgggaatg acaatcaaaa tggactaagg acttagaaga tccgaaacta tgaagctact 420
aaaagaaaca ttggggaatg ctccaggaca ttggtctggg caaagatttc ttgagcaata 480
ccttaaaaagg acaggcaacc caagcaaaaa tggrcagwtg ggwtcmwctc magctaaaaa 540
acttctacac agcgaaggaa acaaagtga cagaataaca tgggaatggt ttctgtaatt 600
tagtagtaac tggcaatagt ttacaaacac attttgtgta tactgctgtc attgcaactga 660
ttaccttctg ttgtagtgac tttgttctat tagtccactc aattaaaata tttggttttn 720
tt 722

<210> 158

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 158

taatatcct ttggattcag agaccacaa ctaccagatt gtcaatcatg accaaaagtt 60
gcttctcatc acttctacaa cccacaaatg gaaaaagaac cgagtgcag tgatgagta 120
tgatactagg gaagatcagt ggattaatat aggtaccatg ttaggccttt tgcagtttga 180
ctctggcttt atttgccttt gtgctcgtgt ttatccttcc tgccttgaac ctggtcagag 240
ttttattact gaggaagatg atgcacggag tagntctagt actgaatggg acttagatgg 300
attcagtgag ctggactctg agtcaggaag ttcaagttct ttttcagatg atgaagtctg 360
ggtgcaagta gcacctcagc gaaatgcaca ggatcagcag ggttctttgt aaatagtatt 420
ttgagacact aagatgtttc tactgctacg gratgtattt taaacacata tcgtttcttt 480
ttcttgga aaagttgat taggaccaca gatttggttt agaaagggt atattttgaa 540
atactacaag gttagacag tccatgaatc gacctgttta ataatttacc atcctgaaag 600
tccagaatta aaatatggaa gcaagaacta tataattgat taggatgctt ggtaggtttt 660
tttcattgtt caaatattca ttgcacagtg gattgttttg attagttagt atgctttttt 720
tttaattaat tcagtcttct gttaattttt aagttttggt tagtgccaca aggaatttaa 780
ctttttgatt tgtataatag aaaactgaac taggaattgt tagcggggtt ttgaaggatg 840
tgtactttcc ttcaaaaata agtggtagat tttcaaaatt ttacactagt cagttcttta 900
tattctaagt taaatgtagt ttgtaaaatt attttggttt tcttctacaa aggaaaaaat 960
tggatttata tatataagg tactgcataa tgatttcatt ttgataatgt gcagaatggc 1020
ctcataagct cacagaaagt aaaaaaaaaa aaaaaaaaaa aagaaaaaat caggattcca 1080
ctgttttaaa agaaatctca gtttttattt tggaatataa aatgtgtatt tggatatagt 1140
gaccaatttt ctatcccaa aaacacccat tcttagtaat gtcatgaatt aaacaccctt 1200

<210> 159

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 159
ttcggcacga gagaaaagta aaaaaaagaa agaaagaaag aaacaaacaa acaaaacaac 60
tggcatacat atatctccta aatacaggaa gaagtattca taatctcact ctttagcatg 120
gtacaaagct aaccacaact aawttattgt atataargcc acgtgaagtg stgtgtgaca 180
gccttatttt gtgaataggg ctgagaaaac cagttcaaat tctcctgaga ctatttcaga 240
ggrgttaaaa tttgaactcg tttaaaaatc atgrtttatt tacttaatat taagtttagg 300
ttaacgggca gaaaangagg ngcctggggg catcacccaa atttt 345

<210> 160
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 160
aattcggcac gagagacacc agagtgaagg agagaggcca tgctgtgtcc gagaagctcc 60
tactggggtg gaaggacag ctccacaaaag gctgctcttg caggggctct cctgcagcaa 120
ggtgcctgct gactgtcccc agactgtctc ccgacacaga gggatgcaaa ggcagcctct 180
tcctgtctcag tggaataggg aaattatata acctttcact tcccactctc acttctgccc 240
ctgctaccct tagtcttttg cttttgctga cattttcccc tcttatcttt tctcctgacc 300
aagttctagg tntttcatag ggcagtctta ggtgagggtt ggaaccccaa tgaagttggg 360
caacagaaac ccagctnaca atggctgttc actgtgggca agctgtttcc ccttcattct 420
ntaaaagtgg aggtgggggtt agtgtatgag tctgggtttc cattcaactg- tgtgtg 476

<210> 161
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<400> 161

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aattcggcac gagctgcgcg cggctacagc acggttcggt tttcctttag tcaggaagga 60
cgttgggtgtt gaggttagca tacgtatcaa ggacagtaac taccatggct cccgaagttt 120
tgccaaaacc tcggtatgcgt ggccttcttg ccaggcgtct gcgaaatcat atggctgtag 180
cattcgtgct atccctgggg gttgcagctt tgtataagtt tcgtgtggct gatcaaagaa 240
agaaggcata cgcagatttc tacagaaact acgatgtcat gaaagatttt gaggagatga 300
ggaaggctgg tatctttcag agtgtaaagt aatcttgga tataaagaat ttcttcaggt 360
tgaattacct agaagtttgt cactgacttg tgttcctgaa ctatgacaca tgaatatgtg 420
ggctaagaaa tagttcctct tgataaataa acaattaaca aataaaaaaa aaaaaaagg 480
ggggggcccc tctaaaaggt ccaagcttac gnacgggtgn 520
```

<210> 162

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<400> 162

```
aattcggcac gagcgcgcct ccacgccag ctaatttttg tatttttggt agagacgggg 60
tttcttcacg ttggctaggc tgatcttgaa ctctgacct caagtggtn gcctgcctca 120
tcctcccaaa gtgctgggat tacaggcgtg acacctgcac ccacccatgc tctagtacat 180
cctaaagaat gccttttagtt cctctttcct gacattactc tgcttaaatt cccagattc 240
aagctttttg agaatcctat ctcagcattt tgggcatcag gccatgttat atataggtrc 300
acaacttcta ggccttggtt agttggacag gttnaaaag 339
```

<210> 163

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 163
aattcggcag agcagaacat tggatgacg cactgactg tagatcttct cattaataat 60
aggcaacctg gtcagggtgca cgartctagg gttcagaatc caacaggctc aaattcaagt 120
ccagctcagc cagctggctg atgctgtctg aacctcagcg tcctcagctg ttaaacagag 180
gtaaccatcc ccatctcagc agctttggga ggaaattaaa tgagatatat tggggatcca 240
gataaccaat aaaatatcaa atcactttac cagttcaagc tcttaccact tcagtgattg 300
catgggcttt atcactgacg gatggaactc aggggttcca ggngttcgng acccagc 357

<210> 164
<211> 1079
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (993)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1058)
<223> n equals a,t,g, or c

<400> 164
ggcacgagct tggcctccag agtgctggga ttacaggtgt gagctaccgc gcccgcccta 60
ttatcttgta ctttctaact gagccctcta tttcttttat ttaataata tttctcccca 120
cttgagaatc acttgtagt tcttgtagg aattcagttg ggcaatgata acttttatgg 180
gcaaaaacat tctattatag tgaacaaatg aarataacag cgtattttca atattttctt 240
attccttaaa ttccactctt ttaacactat gcttaaccac ttaatgtgat gaaatattcc 300
tanaagttaa atgactatta aagcatatat tggtgcatgt atatattaag tagccgatac 360
tctaaaatara rataccactg ttacagataa atggggcctt taaaaatatg aaaaacaaac 420
ttgtgaaaat gtataaaaga tgcactgtgt gtttcaaagt gcactrtctt yttttcagta 480
ctacaaaaac agaataattt tgaaagttta gaataaatgt aatatattta ctataattct 540
aaatgtttta atgcttttct aaaaatgcaa aactatgatg tytagttgct ttattttacc 600
tctatgtgat tatttttctt aattgttatt ttttataatc attatttttc tgaaccattc 660

ttctggcctc agaagtagga ctgaattcta ctattgctag gtgtgagaaa gtggtggtga 720
gaaccttaga gcagtggaga tttgctacct ggtctgtgtt ttgagaagtg ccccttagaa 780
agttaaaaga atgtagaaaa gatactcagt cttaatccta tgcaaaaaaa naaaatcaag 840
taattgtttt cctatgrgga aaataaccat gagctgtatc atgctactta gcttttatgt 900
aaatatctct tatgkctcct ctattaagrg tattttactaa aactctgtaa tctccaaaat 960
attgctatca aattacacac catgttttct atnattctca tagatctgcc ttataaacat 1020
ttaaataaaa agtactattt aatgatttaa aaaaaanaa aaaaaagaaa aaaaaaaaa 1079

<210> 165

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<400> 165

ttaaaacaag atacatacat agtataaac acctcacagt gttaagattt atattgtgaa 60
atgagacacc ctacctcaa ttgttcacga gtgggtaaaa caaattctga tgtacattca 120
ggacaaatga ttagccctaa atgaaactgt aataatttca gtggaaactc aatctgtttt 180
tacctttaaa cagtgaattt tacatgaatg aatgggttct tcaacttttt tttagtatga 240
gaaaattata cagtgtctaa ttttcagaga ttctttccat atgttactaa aaaatgtttt 300
gttcagccta acatactgag ttttttttaa ctttctaaat tattgaattt ccatcatgca 360
ttcatccaaa attaaggcag actgtttgga ttcttccagt ggccagatga gctaaattaa 420
atcacaaaag cagatgcttt tgtatgatct ccaaattgcc aactttaagg aaatattctc 480
ttgaaattgt ctttaaagat cttttgcagc ttgagagata cccagactga gctggaactg 540
gaatttgtct tcctattgac tctacttctt taaaagcggc tgccattac attcctcagc 600
tgtccttgca gttagggtga catgtgactg agtgttgcc agtgagatga agtctcctca 660
aagggaaggca gcatgtgtcc tttttcatcc cttcatcttg ctgctgggat tgtggatata 720
acaggagccc tggcagctgt ctccagagga tcaaagccac acccaaagag taaggcagat 780
tagagaccag aaagaccttg actacttccc tacttccact gctttttcct gcattkaagc 840
cattgtaaat ctgggtgtgt tacatgaagt gaaaattaat tctttctgcc cttcagttct 900
ttatcctgat accatttaac actgtctgaa ttaactagac tgcaataatt ctttcttttg 960
aaagctttta aaggataatg tgcaattcac attaaaattg attttccatt gtcaattagt 1020
tatactcatt ttcctgcctt gatctttcat tagatatatt gtatctgctt ggaatatatt 1080
atcttctttt taactgtgta attggttaatt actaaaactc tgtaatctcc aaaatattgc 1140
tatcaaatta cacaccatgt tttctatcat tctcatagat ctgccttata aacattttaa 1200
taaaaagtac tatttaatga ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaaag gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggggggg ggnccaaaaa 1320
aaaaa 1325

<210> 166

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 166

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aattcggcac gagtttgcac ccaaattggt tgacctttgt gcagtggctc ccattatcaa 60
ctggggaacc agtacaatct ttacctagtt actactgagg ttgttctctc tccatcacia 120
aatttcacgc tatttatctg tgagaaaatg cctgaggact ttcacacagt aattcatctt 180
atctggaacc cttaggatca gatgtagacc gagcaaagt caagttcaca gagaacacct 240
gtgtcttcag aacattaaag ggcaccatta gagcttggtt cccttcactt tacatgcaca 300
tttttggsat aagttngggg ctkratgatg ttgtcatags naatactgct agratgrttg 360
ctgtactcat tcactnccaa aaaagggggg gntg 394
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<210> 167

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 167
ataattgcgg ctctttctcc tattcagatt ttacccagtg atggaaaaga tcaattttct 60
tgtggaaatt cagtggctga ccaagccttc cttgattctc tctcagccag cacagctcag 120
gncagttcgt cggctgccag caacaatcac caggtagctc tcacttcctc cttctggatg 180
tggctggctt tacggaaaac agagcgtatt tgtgnaaggc ttgtgatgca ttatagctat 240
tgccattccc caaaagcaaa aacaaagtcg ctttaggttg ttctgtggca tttctgttgg 300
gtactaacia agaaatcacc tgttwagcct gataatgact gtttgcaaat ttattataag 360
agaaaaggca gggatttgag gggtgctttt aggaagtctn nccatgatat ggaacacaga 420
ccccagaaac ttgcaaatac cctcttaggt taaggcatgg aaagaggagg angagagagg 480
tcttgtttgt tgaggaggtc catgtcaggc cttggcc 517

<210> 168
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 168
cttcctcag cccttggcc aacagattct actttctgtc tctacggatt tracacttta 60
gtagcctcat gtaggaagaa tcataatact tgtytttttg tgactggctt atttcactta 120
gcataatatt ttcaatgttc atccattttg aagctccatg tgagtgggca ggaacttggt 180
aactggaggc cttcactgag aagtgattaa ggtgatgaat acctgccagt gcagtggctt 240
cacacctgta ctccagcact ttggggaggc caaggcagga agatcatttg agccccagga 300
tttsgggacc accttkggca atatagttag acccngtggt t 341

<210> 169
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 169

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ttcggcacga ggtcttgact cctaccccc tacaacacat ataaaatcag ttccagatag 60
atcacacatc taaatgtgaa atgcaaaata ataaagcttt aagaaaaaaa gtaatggaac 120
catcttcatg atcttagagt aagtagagat ttattaagta ggatattaaa ggaacactat 180
aaatttaggg aaaaaatcaa tatattgatt atattaaaat taaggaactt ttcctcatta 240
agaggccaca aagtatttgt agtatacaca tccaacaaaa gttccatatt ccngaattwtw 300
tgganggaat nccnatggta cgttaaaaaa aggccagncc canggggggg 350
```

<210> 170

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<400> 170

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aattcggcac gagacatggt gaacctgggt tctacataaa atacaaaaac ttagatgggc 60
atgggtggtgt gtgcctatag tcccactact tgtgggggcta aggcaggagg ntcacttgag 120
ccccggaggt cgaggctaca gtnagccaag agtgcactac tgtactccag ccagggcaag 180
agagcgagac cctgtctcaa taaataaata aataaataaa taaataaata aataaataaa 240
```

taaaaaaaaa caaagttgat taagaaagga agtataggcc aggcacagtg gctcacacct 300
gtaatccttg cattttggaa ggctgaggca ggaggatcac tttaggcctg gtgtgttcaa 360
gaccagcctg gtcaacatag tgagacaytg tytytaccaa aaaaaggaag gaagggacac 420
atatcaaaact gaaacaaaat t 441

<210> 171

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<400> 171

ttttcatgaa cctcttccct gggaaacctt atgactcaac agtcaaaggt gtccgaatag 60
taaagatggt ttccagtgat cagggtctgtg cccatgcctg gccttgata gactctgaaa 120
tgagattcct tgtttgattg atgggggtgat ggtttctgtt gtgtacattt gaaggaaacc 180
agtttcccca cccaaaattt ctaaggagtt taatcttttg ggtrtagggg agttaacta 240
cactgagtca aggaagtaat tgattgcata tttcctctaa aagtcagcta tggrrttgata 300
ttgactaaaa caaactagca gttctcttcc accaccaagt cmgagcgtct gtccaccatt 360
ctgcatggtt aaaagracc acttagggat gggtaatgnt ncc 403

<210> 172

<211> 984

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 172

caagatattt acttccgctc caaacaaga tgggccagct aacgagcncg ggggaaacat 60
ccgcccggaa ggccacttga aggcacttcc gccctctctt aacatggagc cggcggagg 120
ggtggtgtag ggccgggcga taatggcgcc gtcgaggctg gagctaaacc tggcgcggt 180
gctatmccgc tgcgaggcga tggcagcgga gaaacgggac ccggacgagt ggcgcctgga 240
gaagtacgtg ggagccctag aggacatggt gcaggccctg aagggtccacg cgagcaaacc 300
ggcctctgag gtgatcaatg aatattcctg gaagggtggat tttctgaagg ggatgctgca 360
agccgagaag ctgacctcct cctcagagaa agcactggcc aaccagtcc tggcccctgg 420
ccgtgtgcc accacagcca gagagcgagt gcccgccaca aagacggtgc atctgcagtc 480
acgggcgcgg tacaccagcg agatgcggag tgagctacta ggcacggact ctgcagagcc 540
tgaratggac gtaaggaaga gaactggagt ggcagggtcc cagccagtga gtgagaagca 600
gtcggcagct gagctagacc tcgtctgca gcgacatcag aacctccagg aaaagctggc 660

ggaagagatg ctaggactgg cccggagcct caagaccaat accctggccg cccagagtgt 720
catcaagaag gacaaccaga cctgtcaca ctactgaaa atggcggacc agaacctgga 780
gaaactgaag acggagtcag agcgtctgga gcagcacacg cagaagtcag tcaactggct 840
gctctgggcc atgctcatta tegtctgctt catcttcatt agcatgatcc tcttcattcg 900
aatcatgcct aaactcaaat aaagaccccc gcccaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aaaa 984

<210> 173

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1175)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1192)
<223> n equals a,t,g, or c

<400> 173
cgnggcggn a nntantggc cccccctaa agggaacaaa agctggagct ccaccgcggt 60
ggcgccgct ctagaactag tggatcccc gggctgcagg caaaagggan aattcaaaaat 120
ttagaaaaaa cattagaaat gttaatatgg gatatttttg acttaagaca ttcagaaaaag 180
ttaatgtttt aacacgatat gtgattatag aattctattc atatatgtgt tcacatttat 240
acactttgct atactttgta ttataaata taattctgtt agataaataa gtgattcata 300
ttttgtcaaa actattttta aatttcaata tttaaaatat ttttgaatca ctgggttttcg 360
ttaagtggca tcatagrtga gatttgattc catgtagcat ataatttttag attgttcctc 420
tctcacccct tttaaactcc ttcaagcatt gctattactg gggttgcctt tgggaaaact 480
tacttctaga tactaccata tatctgaaat agtagagggt gatgttaata aaattcataa 540
aataatcatg tattactttt ttgattttac cactggaagg aaatacagtc atgtgcaata 600
taatgacgtt ttggtcattg agaccacat gtgtgacagt ggtcccataa ggatgttgct 660
gaaaaattcc tgttgctgcc tagtgacact gtagccatcg taacgccata gcacgacacg 720
ttactcacct gttcatgggt atgctgggtg aaacaaacct gtgctgccag tcatacaaaa 780
gtatagcaca atgacaatta tgtacagttt atcataattc ttgataataa atgactatgt 840
tacaggttta tgtattgatt ccactttttg tcattatttt ggaatgtact cctactaatt 900
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gaagaagaca ttgttaccat aggagatgac agctctatgt gtgttattgc ccctgaagac 1020
cttctagtgg gacaggatat ggaggggaaa gacagtgaca ttgggtgatcc tgaccctgtg 1080
taggcctagg ctaatgtgtg tgtgtcctcg tttttaacaa gaaagtttaa aaagtaaaaa 1140
aaaaaaaaaa ggnctcgaga aagggcaaaa gggcncttgg gcaaatggca gnac 1194

<210> 174
<211> 701
<212> DNA
<213> Homo sapiens

<400> 174
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grcagggcac tcaccagtgc agaggcagaa gtgggtgcct gtcctcgagg gtttaaccgc 180
tttgccctccc gccacagcc cctccacctt ctaaaagctc aagagatgat cagactgaaa 240
caccgcacca tcttgctgtt ctgcctaggc tggaagacct ggcccaggtc atggaggccc 300
ctgctccact tgccagattc gcaggagtct tctgaccaga gctgtcgcac cttgctgctg 360
ccactggcac tgetgccatt ctcatcctct tgggggcctt cattggtgcc acattccttg 420
tagccacctg ggctgtcagc catgagggaa ggaccctcgt tttagtctcg gattgtaagg 480
tttccatctc tgtaccttct cacaagaag agtcagggcc caagcttaat gacctgtttt 540
ttaattcagg aaggtaaatc tcgttctctc gtcacaccgc gaattacagg tccatttgct 600
ctcagtggga gttgatcttt gattcctaca aagaacaata aagtccggtg aattcccata 660
aaaaaaaaaa aaaaaaaact cggggggggg ccccggtaac c 701

<210> 175
<211> 1181
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 175
tgggganatt tccccgaacc ggcnttcccc ggctcgaccca cgcgtccgcg gacgcgtggg 60
ccaaagtgtt gtgtgtgtnr gtgtgagtgg gtgcgtggta tacatgtgta catatatgta 120
taatataat ctacaatata tattatata atctatatca ttttctgtg gaggggtgcc 180
atggtaacca gccacagtac atatgtaatt ctttccatca cccaacctc tcctttctgt 240
gcattcatgc aagagtttct tgtaagccat cagaagttac ttttaggatg ggggagaggg 300
gcgagaaggg gaaaaatggg aaatagtctg attttaatga aatcaaatgt atgtatcatc 360
agttggctac gttttggttc tatgtctaac tgtgaaaaat cagatgaatt gataaaagag 420
ttccctgcaa ccaattgaaa agtgttctgt gcgtctgttt tgtgtctggt gcagaatatg 480
acaatctacc aactgtccct ttgtttgaag ttggttttagc tttggaaagt tactgtaaat 540
gccttgcttg tatgatcgtc cctggtcacc cgactttgga atttgcacca tcatgtttca 600
gtgaagatgc tgtaaatagg ttcagatttt actgtctatg gatttggggg gttacagtag 660
ccttattcac ctttttaata aaaatacaca tgaaaacaag aaagaaatgg cttttcttac 720
ccagattgtg tacatagagc aatgtttggt ttttataaag tctaagcaag atgttttgta 780
taaaatctga attttgcaat gtatttagct acagcttggt taacggcagt gtcattcccc 840
tttgactgtt aatgaggaaa aaatggtata aaagggtgac aaattgctgc atatttgctg 900
cgtaattatg taccatgaat atttatttaa aatttcgttg tccaatttgt aagtaacaca 960
gtattatgcc tgagtataa atattttttt ctttctttgt tttattttta tagcctgtca 1020
taggttttaa atctgcttta gtttcacatt gcagttagcc ccagaaaatg aaatccgtga 1080
agtcacattc cacatctgtt tcaaaactgaa tttgttctta aaaaaataaa atattttttt 1140
cctatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1181

<210> 176
<211> 489
<212> DNA
<213> Homo sapiens

<400> 176
aatcgctgaa ccaggagcgg agttgcagga ggagaytcac cactcacttc agcctggtga 60
cagrgggagc tctktcttaa aaaaaaaaaa aaatcatct gtaaaataaa ttccgggata 120
gtcgttttgt tcaaggaaat gttttgtaaa ttgagctcac actatataat ctttattgtc 180
ctatcctgat gtataatata gcaggataa ttacaccaag cgctatagtt ataaatatgg 240
catgaagtga actatggcct tttatttcct tccagtgtga acacagcagg tgtgagatgt 300
catcttgtaa gacaggcctt gcagaaatag gcctacatcc aaatattat cttgtgactc 360
catgaacatc tcattaaccc tttgtatctt tgagtgaata ttttactcaa agttgcatc 420

tggaagttcg aagaaattac ttgaaataaa aataaagatt tctatataga taaaaaaaaa 480
aaaaaaaaa 489

<210> 177

<211> 253

<212> DNA

<213> Homo sapiens

<400> 177

aattcggcac gagcccgaggw caggcacaca ggcccagggtg tgtaggccac agcagccgca 60
gtcctgaaag sctgcaacac ccagacctcc aggagagacc agggccagga tgcctcgcct 120
gttcttgctc cacctgctag aattctgttt actactgaac caattttcca gagcagtcgc 180
ggccaaatgg aaggacgatg tkattaaatt atgcggccgc gaattagttc gsgcgcarat 240
tgccattttg ggg 253

<210> 178

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 178

aattcggcac gagagcttat tcattgaagg agtaagtggc tgctcactcc tttctgctga 60
aactctttcc tgccttgta gcctagtgtg gaatgggagc agggtcacag tgaaagagct 120
gaatctcccc acccaccac actgcagcag gctgcggctg gccgacttgt taattgccga 180
gcaggaaacac agcagcaagc tgcgggcacc cctnacttgc tacagttgat ggctgtgtgt 240
ctctcccagg acctagagaa aacccgsctt gtgtacgagc gcatcactat cggcacattg 300
ttcatgtcct tcatgaacgr gtaaaactgct gtttccgtgg rttttcaaaa aaaaaaaaaa 360
aaaaaaaaa aaaaaaaaag ctcgagggtg ggc 393

<210> 179

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 179

attataagcg acgatgggtc tggtgctatg aacacagcag tcgggtccctg tcattgtcca 60
cccaggagtg gccttgtaa ttccaagtgg catgtatctt ccctctgagc ttcattttctt 120
caagatgctc tgggtggtgg gatgggagac catcctgcag ccctcctcag acctatcaa 180
ttcattgaga gattgcaaag ctgaaagcac ctccggccac tcctgggaga cagacccttt 240
ggtgatgaaa taaaccagtg acttcagagc ctatggtctc aactgtgctt gaaaaaact 300
gtctctgaaa acaactttgt gattctccct gctccctgtg gacaaaagca cataattctg 360

ctgttacggg tacttgnstc atacgagctt tcatgttcag catgcaatgg aatcatgctt 420
gtccatgtga aataaatatg gctctctcgt gtccttaaaa aaaaa 465

<210> 180

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<400> 180

cttggggttca gggaaaccag agattatacc aagacgggtc attctgcgcc atggaaaaca 60
tccttggnat ttaattgctg ctgacaataa aggtaagggc tgggcttgga tacagcattc 120
cccagataga gatgctagan aaagtgcata gctatggggc gcacagctct gtttgccttc 180
atcattgtaa cccgtagaaa gaaaacttga gtaagggtcaa ggtttccatg ctttccttaa 240
agtgtggagc cttttattcc atgaaaaggc tatacaaaaa tccagggttat caagcaaata 300
aacaagcagt tcttactcag ataaacaaga tacacccctt caccctacct gctcaatttc 360
tctttctcca ctccccaaa cccacctcca ttgtagtcc tgcagggggc cccgtaagyt 420
tattttgaaa atcactaggg tgggctkggg cgcgggtggst tcaggatgtw aatyccagca 480
ctttgggggrg ggcccnngga aggcagttca ttttggggtc aagggggttt tg 532

<210> 181

<211> 814

<212> DNA

<213> Homo sapiens

<400> 181

aattcggcag agtaaaattc aaataattat aagcatttgg caaaaacaag agaaaagaaa 60
cttgccatat ttacaagct gcaatttttag aaaagcttta acttaatgat agttttatca 120
ttgttttctt gtccaaact tatccagggc catagaagta tgaatctaata taaaacagaa 180
atgggaatta ttgcacagaa atgggaaata actaatttta aatcaggtcaa attggcttct 240
tattaaatac aataattctt atgraaatca tagtacccta ttttcagaca cagctgccag 300
tttacacatt tctcagtatc ctgaarggra aaaagtatag ccccrcttat actatgtaaa 360
attaccaata aaatattttt atgactacag attttgcatt tttgtttaca actatttaaa 420
gagttttatg ttgtatttag aatttcaacc tagaaaccac acagtactta aattctcctg 480
gggtctcctg ctttctctta accatttgct taatatatat ctacctaaag gagacttctg 540
aattgtaaat gaacttaaaa atagaatgtg gatgcaaaat atcacataag acatcatgat 600
aacatttgaa gaaaaaataa aactgtagac cctaacagtt gtgatatttg gtggkttcat 660

gtggtaatgt aattttctgk ttaattacag tactttttac aggcacagtg gkactgtctt 720
ttttgtaaga tgcyaagtgt gaaatacaat taattgcata cagtaaaagt ctgtgattaa 780
aacatttata tacctcaaaa aaaaaaaaaa aaaa 814

<210> 182

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 182

taattcggca cgaggaacca ctgttcctta caggtaagcc agcatgatag ttagaccaa 60
ccatcccaat agagacttgg catgcattca acaaacatcc cagggtgccta ggggtgtgccc 120
agcaccattc caggagctgc cagtaaagga aacaagactg ctgtgtggcc aggtgcgggtg 180
gctcacatct gtaatctcag cactttggga atgccgaagt gagtggatca cctgaggtca 240
ggagttcaag accagcctgg gccaacatgg tgaaacccca ttttttactt aaaaaaaaaa 300
aacttggggg ggggncc 317

<210> 183

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<400> 183

tataaaagaa aaaaaaaggc tgtacaaaaa tttcttttrt acagagactg trtaaaagaa 60
aaaaaaaaag aaatacmtgt gttcttaaaa ccatttgat attttcattt ctagaccaca 120
ctgtagctaa ttattgttat taaatgttaa gataatttaa gtatataana taagtattga 180
nccgggcatg gtggctcacc cctgtaaatc tcagcacttt gggaaggctg aaggcggggg 240
gtt 243

<210> 184

<211> 1148

<212> DNA

<213> Homo sapiens

<400> 184

aattcggcag aggggccata caaaaatttt ggacttggtta ataccactta ctaaccgggc 60

ctgtaacact gggctaaaca aagtaagccc tgtttactca gcagtgtttg ggggacatga 120
agattgccta gaaatattac tccggaatgg ctacagccca gacgccagc cgtgccttgt 180
ttttggattc agttctcctg wgtgcatggc tttccaaagg agtggagctg tragttcttt 240
ggaattgtga acattctttt gaaatatgga gccagataa atgaacttca tttggcatac 300
tgcttgaagt acgagaagtt ttcgatattt cgctactttt tgaggaaagg ttgctcattg 360
ggaccatgga accatatata tgaatttgta aatcatgcaa ttaaagcaca agcaaaatat 420
aaggagtggg tggcacatct tctggttgct ggatttgacc cactgattct actgtgcaat 480
tcttggattg actcagtcag cattgacacc cttatcttca ctttggagtt tactaattgg 540
aagacacttg caccagctgt tgaaaggatg ctctctgctc gtgcctcaaa cgcttggatt 600
ctacagcaac atattgccac tgttccatcc ctgacccatc tttgtcgttt ggaaattcgg 660
tccagtctaa aatcagaacg tctacggctc gacagttata ttagtcagct gccacttccc 720
agaagcctac ataattattt gctctatgaa gacgttctga ggatgtatga agttccagaa 780
ctggcagcta tcaagatgg ataaatcagt gaaactactt aacacagcta atttttttct 840
ctgaaaaatc atcgagacaa aagagccaca gagtacaagt ttttatgatt ttatagtcaa 900
aagatgatta ttgattgtsa gataggttag gttttggggg gccagtagtt cagtgagaat 960
gtttatgttt acaactagcc ttcccagtaa aaaaaaaaaa aaaaaaaatt gtaaacatca 1020
cttatattac tttattgcag cttcatcacc agtacattat atgttgtaat atttatttac 1080
ctgatcattt tgatcatttt ctgctttatt ttgctaataa actgtgatgt tacttctaaa 1140
aaaaaaaa 1148

<210> 185

<211> 1971

<212> DNA

<213> Homo sapiens

<400> 185

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agataagaat cactggcttc tatgcgcttc tttctctca tcatcatgtt cttttacccc 120
agtttcccta cattttttta aattgtttca gagtttggtt ttttttagt ttagattgtg 180
aggcaattat taaatcaaaa ttaattcatc caatacccct ttactagaag ttttactaga 240
aaatgtatta cattttattt tttcttaate cagttctgca aaaatgacct ataaatttat 300
tcatgtacaa ttttggttac ttgaattggt aaagaaaaaca ttgtttttga ctatgggagt 360
caactcaaca tggcagaacc atttttgaga tgaatgatac acaggtagtg aaacagctta 420
agaattccaa aaaaaaaaaa aaaaaaaaaa aaaaagcaaa actgggtttg ggctttgtct 480
taggtatcac tggattagaa tgagttaaac attagctaaa actgctttga gttgtttgga 540
tgattaagag attgccattt ttatcttgga agaactagtg gtaaaacatc caagagcact 600
aggattgtga tacagaattt gtgaggtttg gtggatccac gccctctcc cccactttcc 660
catgatgaaa tatcactaat aaatcctgta tatttagata ttatgctagc catgtaatca 720
gattttattt attgggtggg gcagggtgtg atttacttta gaaaaaatga aaaagacaag 780
atztatgaga aatatttgaa ggcagtacac tctggccaac tgttaccagt tggattttct 840
acaagttcag aatattttta acctgattta ctagacctgg gaattttcaa catggtctaa 900
ttatttactc aaagacatag atgtgaaaat tttaggcaac cttctaaatc tttttcacca 960
tggatgaaac tataacttaa agaataatac ttagaagggg taattggaaa tcagagtttg 1020
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ttaaaaatga tgatttaaaa tgttgcttgt aatacagttt tgcttgctaa attctccaca 1260
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tatatgtttt gtcccagttg tatagtaatg ttccagttca tcatccagct ttggctgctg 1380
aatcatatac gctgtgaaga cttgcctttg tttctgtag actgcttttc agttctgtat 1440
tgagtatctt aagtactgta gaaaagatgt cacttcttcc ttaaggctg ttttgtaata 1500

tatataagga ctggaattgt gtttttaaag aaaagcattc aagtatgaca atatactatc 1560
tgtgttttca ccattcaaag tgctgttag tagttgaaac ttaaactatt taatgtcatt 1620
taataaagt accaaaatgt gttgtgctct ttattgtatt ttcacagctt tgaaaatctg 1680
tgcacatact gtttcataga aaatgtatag cttttgttgt sctatataat ggtggttctt 1740
ttgcacattt agttatttaa tattgagagg tcacgagttt ggttattgaa tctgttata 1800
actaaattct gtaaaggagg atctctcatc tcaaaaagaa ttacatacc aggaagtcca 1860
tgtgtgtttg tgtagtttt ggatgtcttt gtgtaatcca gccccatttc ctgtttccca 1920
acagctgtaa cactcatttt aagtcaagca gggctaccaa cccacacttg a 1971

<210> 186

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 186

aataacaatg taattatattt yggcakascc ttgcctgact tctgaggacc tcactaagtc 60
tagttctagc cttttagtaa tgggtcaactt ctttcatcaa ggctttggtt tcattactgg 120
tgtctgaatt agttccactc ctagcttgac ccagatttta gtttttatta tggatttttt 180
cttcaaaactt gtttatttaa tattaagttt tcatTTTTTgg cagcatatgg atgattttat 240
ttttaataat catatctctt agtaaactaa tggktaaata atattaaagt ataagaggct 300
aaaattgggc caggtgtggt ggctcacgcc tgtaaattccc cgcactttng ggnggctgag 360
gcaggn 366

<210> 187

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<400> 187

aattcggcac gagaaagagt tgccaaaaat aaaaaatatt attgtaagggt aaaaaatttc 60
ataaatgggc ctaatagtgg gatggatata actgaaaact aagatggtga tgaggaagac 120

agtcagaat aaatatacca aagtagcaaa gaaatacctg tgcaagtaga atagcttgct 180
tcaaacagat gagatttgtc ctccaacat caaaacatat cacaaaacta cagtaattaa 240
gtccctttga ggccagcact gactgggrta agcaaatagr taaatgggat gtaacaggcc 300
ttatttcaac taatagggtg ttcaccactc ctagtgtgtt ncctgtttcc 350

<210> 188

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 188

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gaaaaacttt gctattaata ggtgcaaagt ccatttcagg tataattggg aaggaaactga 120
gtgcactcat gggaagaaac cttgttttgt tttttgttcg cttttcttct tatccccctt 180
tctcagtttt atggctggag acatgattta ttgcagccat ccattcttggg ggctcatcca 240
tcacaccggg gttgctagga gattgtggca gcagctgttt gctctgaatc agacagaaaa 300
gttgtcaatc atcaaaggca ggtgaatagc attagaaaca cgstattgtc agacggaata 360
attaatcaaa gagag 375

<210> 189

<211> 365

<212> DNA

<213> Homo sapiens

<400> 189

tcagacaaaa attctgtgga cagctgcgag gaattcactt ttctcttgaa actcatagcc 60
ctctcttgaa tacatatggt gtgcactaac acttgccatt atctgaaact catagcccta 120
tcctgaatgc atatgctgta ggtaaccact tgccattgga ggtcttggag gccatattct 180
gtaggagcag ggtagccatg ggacttaact actattatcc cccaaaaatg ttgtgtttgt 240
gaattcacct gactgaggaa tccctaawta ttcattagat atttcaaaag grtccatgtt 300
ccmaagragg rggtttagta ttgatttttg gttgggtttg ttttatttga ggcagtgggg 360
gatga 365

<210> 190

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 190

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ggcacgaggt taatthtgaa acttatgctt aagatttaac cagggcagag gcatatttca 60
gcataaataa tggtgccatt ataaactctt atccttccta tctcaacagg aaatgagcaa 120
ttattgcttc atgcttcaat gcactgtttt aaaatactgt ttaatttggt aaagggtgtga 180
actgtttaat ttatctcaca cgttttttta aacaaatact gattggacat gcgctgcacg 240
ccaggctttg ggcttggtac ctcagggttc tcacagggga ggctggaagt ggaaacaagc 300
acatgtgtaa ctgttggtga gacagtctaa ttggtagaaa atcagcgaac aaagaagcag 360
acaaattaga aaatgaacgt aagggtgatgt gctaaaaaga gggtagccat tatgtcagtg 420
tccttcagag aaggtagcac tccttgagac cggaatggca gaaagaagtc catcctgcct 480
agcccagctt ggacttggtg agaagcaggc tgataaaaaga accaaatatt gtacattttg 540
aagaagttgc ccgctgactt gagagagagg tggtgcgttt cagggtgctga atgtccttat 600
aaaaagttga atatttcgag catctctatc aatacatttg aatgctgaga gcttttcctt 660
ccagaagctc atgtcatttt caacacacac ttctattttac ctttatgtag tttctaaaaa 720
ttgaaaacca gaattggagg ttttttttaa aaaaaaaaaa aaaaaagccg aggkgggnaa 780
agtamaaatg ngcctkwgcc ntctccttc cccgtcc 817
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<210> 191

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<400> 191

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ccaaacaatt gggattatga atgggaaggt tgtaaacccc atattatttg cgtgtacgaa 120
ggaagaatcc tgtgacaagc acttactcca aaatgagtct acagttatac caagtggata 180
gtagaactta tctactggat ttccgtagta ttgatgatga aattacagaa gccaaatcag 240
ggactgctac tccacagaga tcgggatcag ttagcaacta tcgatcttgc caaaggagtg 300
attcagatgc tgagggtcaa ggaaaatcct cagaagtttc tcttacctca tctgtgacct 360
cacttgactc ttctcctggt gacctaacct caagacctgg aagtcacaca atagaatttt 420
```

ttgagatgtg tgcaaatcta attaaaattc ttgcacaata aacagaaaac ttgcttatt 480
tcttttgcag caataagcat gcataataag tcacagccca atgcttccca ttgtaatcca 540
agttatacct aatttttaac cgggggttng ggntttngga ttgcaatttg 590

<210> 192

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 192

ggcacgagaa ataaccagct gacagcatga cgacaggata aaatccacac ataccattac 60
taaccttaaa tgaaaatggg ctaaatgctc ccattgaaag acacggggca agctggataa 120
agaaccaaga cccactggag tatgctgtct tcaagaaacc catctcacat gcggtggcat 180
acataggctc aaaataaagg aatggagaaa aatatttcaa gcaaatggaa aacagaaaaa 240
agcaggtgtt gcactcctac tttctgacaa aacagrctwt gcggnnttaa ggkaaaaaa 300
gnngaagg 308

<210> 193

<211> 343

<212> DNA

<213> Homo sapiens

<400> 193

aattcggcac gaggcctgga gaacctatgg tgattttcct gggcctgctc attgcccacc 60
attgaacca tcagcacaca tgtcctctct tctgagccca taaaaaccct ggactcagcc 120
agactcacac agacatcagg actaccagct gcgggaagga gctagccatc tcaggctctcc 180
ttgaatcatc cagatgacct gcctgtggaa aggagctacc catcacaggt ctacttcctg 240
atgagaactg gacattcttg ggatgacttg cctgcagaaa ggagcgacat attttgggtc 300
tyctgagagc tgttctgttg ctcaatgaag ttccttcattg cag 343

<210> 194

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 194

```
aattcggcac gagaggtgat atacatgata cattctcaag agttgcttga ccgaaagtna 60
caaggacccc aacccttttg tctctcttac ccacagatgg ccctgggaat caattcctca 120
ggaattgccc tcaagaactc tgcttcttgc tttgcagagt gccatgggtca tgtcattctg 180
aggtcacata acacataaaa ttagtttcta tgagtgtata ccatttaaag aatttttttt 240
tcagtaaaag ggaatattac aatgttggag gagagataag ttataggagag ctggatttca 300
aaacgtgggtc caagattcaa aaatcctatt gatagtggcc attttaatca ttgccatcgt 360
gtgcttggtt catccagtgt tatgcacttt ccacagttgg acatgggtgtt agtatagcca 420
gacgggtttc attattattt ctctttgctt tctcaatgtt aatttattgc atggtttatt 480
ctttttcttt acagctgaaa ttgctttaaa tgatgggttaa aattacaaat taaattgtta 540
atttttatca atgtgattgt aattaaaaat attttgattt aaataacaaa aataatacca 600
gattttaagc cgtggaaaat gttcttgatc atttgcagtt aaggacttta aataaatcaa 660
atgttaacaa aaaaaaaaaa aaaagtcgac 690
```

<210> 195

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<400> 195

```
tggaatctgg ctagaaagca gtaataaaca gaaatctgta tatgtttgga aaaagtaaat 60
ctcaatggaa atcagaaaat attttgaact gaaatttggt gatgaaaata ctatatatgg 120
aaacttgtag gatataattat agctaaagct gtgttagagg aaatttagag ccttacataa 180
atacatatat tataaaaggg aaaatattaa aagttaatgg anctaaggca tccatct 237
```

<210> 196

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<400> 196

```
cccagagta gacacatctt agtatgtact cagctttggg caaaanatag atggcggtcac 60
ctttcttcgc atgctgagct ccatagtaga ttgaggactt gggttggaag cagtaaggta 120
attgccaaag cccattatc aggtgggtac acatagagct tttgggagga acagatgccca 180
taagttatca gtttagtctt accttctctt tagagggaaa agaagttgga gaaagcgtct 240
gcagctaaca aaaggtactg nccttg 267
```

<210> 197
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 197
attgccaatg ataaaatttg aactttcaag caaaaatgca aattttggaa aatgtgttat 60
ttctgccact gagaacataa cagcatacca acacttttag actttttact tttatattgt 120
ataatgaatg catcaacatt tggatgatct gtattacagg tgaaccaaca ttttccagta 180
ttagtggtgg ggaatgaccg tgtcwgaagg cttgaccagg atggggatag ctcaaggagg 240
caggatggct cattgcttat gtcttctca ggaacacaat gaagtaggtt gagtttccag 300
gatttgccc ctgcattggg gatggttga ggaaaggcca aaaacctagg ttcttycags 360
ccatgggctt taaaaaacgt ggtacttttt aaggaaacagg gttcanggca ggggtgtttt 420
tggggctagg gttaaggaaa atg 443

<210> 198
<211> 208
<212> DNA
<213> Homo sapiens

<400> 198
gaaaatgtgc ctttttcagt tgtcacagmt ggggaatgtt actggcatcc ggtgggtaaa 60
ggctagggat gctgctagac attctacggt gcacaggaca acccccacaa caaagaatta 120
tctagcccaa aatgtcaaca atgctgaggt tgagaagycc taggaaacta aaacagtgtg 180
ggggtttgta atttattgga aaccatgt 208

<210> 199
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 199
attggttttg gccatgacac tgatttcctg gaggaaggt gctgcttcya ttcaggaatg 60...
ggggtgcatg actgccctga gcagccaagg agccaattct ttaggaggct gagtgccatt 120
tcagctcaag ccttcacggg gcagggccaa aagcaacttn gaggggtggg tggagcatct 180
tccactgcag cttggcccca agaaataggw tgtagcagca gytcagcttg tgggatggtg 240
cgcaacaatt tggggggg 258

<210> 200
<211> 893
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (870)

<223> n equals a,t,g, or c

<400> 200

```
aggggtagtt tccacaatct aatccgggtg ccatcagagt agagggagta gagaatggat 60
gttgggtagg ccatcaataa ggtccattct gggcagtatc tcaactgccg ttcaacaatc 120
gcaagaggaa ggtggagcag gtttcttcat cttacagttg agaaaacaga gactcagaag 180
ggcttcttag ttcattgttc ccttagcgcc tcagtgattt tttcatgggt gcttagggcca 240
aaagaaatat ctaaccattc aatttataaa taattaggtc cccaacgaat taaatattat 300
gtcctaccaa cttattagct gcttgaaaaa tataatacac ataaataaaa aaatatattt 360
ttcatttcta tttcattgkt aatcacaaact acttactaag gagatgtatg cacctattgg 420
acactgtgca acttctcacc tggaatgaga ttggacactg ctgccctcat tttctgctcc 480
atgttggtgt ccatatagta cttgattttt tatcagatgg cctggaaaac ccagtctcac 540
aaaaatatga aattatcaga aggattatag tgcaacttta tgttgaaaga atgaactacc 600
tcactagtag ttcacgtgat gtctgacaga tgttgagttt cattgtgttt gtgtgttcaa 660
atttttaaat attctgagat actcttgtga ggctactcta atgccctggg tgccctggcc 720
agtttttagaa ataccagttg aaaatatttg ctcaggaata tgcaactagg aaggggcaga 780
atcagaattt aagctttcat attctagcct tcagtcttgt tcttcaacca tttttaggaa 840
ctttcccata aggttatgtt ttccmgcccn rggsatgggg ggtcattggg gcc 893
```

<210> 201

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<400> 201

```
aaactcactg gctgaaggag gaaatthtag aaggaagcta ctaaaagatc taatttgaaa 60
aactacaaaa gcattaacta aaaaagttha ttttcctttt gtctgggcag tagtgaaaat 120
aactactcac aacattcact atgtttgcaa ggaattaaca caaataaaaag atgccttttt 180
acttaaacac caagacagaa aacttgccca atactgagaa gcaacttgca ttagagaggg 240
aactgttaaa tgttttcaac ccagttcatc tgggtggatgt ttttgaggt tactctgaga 300
atthtgctta tgaaaaatca ttatthtttag tgtagttcac aataatgtat tgaacatact 360
tctaatacaa ggtgctatgt cttgtgtat ggtactaaat gtgtcctgtg taccttttgc 420
acaactgaga atcctgcagc ttgggtttaa tgagtggggt catggaataa ttatgggggn 480
atgtaaaaaa aanaaaagag ggg 503
```

<210> 202

<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 202
catgtgatca tttatgtgta tacagagtaa ttataaaatg tttgctgtgt aaaaaactat 60
tttattagtg gattttaaata acattaaatg ggtatatata gtatatatga tctaggagta 120
tatataggga actctaacia atttataata tttatttttt aaaagaatga ccaaacatgg 180
caaaatatta ctatgagtta gatctggaca gtggatgcaa gggcttcat tatgttattg 240
tctgattttg tggtgaactt atttcacaat gcagaggaaa aaatagtctt ggctcatcct 300
tagatatcac tggtcataga gccagtcacc aggacgatcc cacnttttat ggtgggccag 360
gcattgggag tccagagccc atcaccacac naccaagtga cgggtgggga cncgtggtgag 420
cctgnaaagg gggccatc 438

<210> 203
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (804)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 203

```
cggcgatata tactaaattc gcgcgtgact tcatgagtag tagtgaatac aatcttcctg 60
cttctaagct tgtgtctact agaatgtctt cccctaataa gatataattg aatgtttccc 120
atgtttcttc tagtacttta atgcgtttca ttttcataty gaaatcattg atctacttct 180
agtttykgat acaamatgtg agccaggaaa cccagttttt aaatttcaaa tagctgtcca 240
ggtgtccctg cacctcttat gcatgagccc tcgctttgtg ccaatgtgga gtgcccgcct 300
gtcacacagt gcccatgtgg agtgcccgcc tgctcatgtg cccatgtgga gtgcccgcct 360
gtcacacat gycgatgcgg agtgcccrcr tgctcacaca tgcccatgtg gagtgtccgc 420
ctgctcacac gtgcccattg ggagtgtccc cctgtctaca cacgtgtcca tgtggagtgc 480
ccacctgtct atgtgtccat gtggagtgtc cacctgtctc catgtgtcca tgtggagtgc 540
crcctgtctc cacacgtgcc catgtggagt gcccgcctgc tcacrygtgc cgatgcggag 600
tgccgcctg ctcacacgtg ccgatgcgga gtgcccgcct gctcacacgt gccgatgcgg 660
agtgtccgcc tgctcacacg tgcccatgcg gagtgtccgc ctgctcacac gtgtccgacgc 720
ggagtgtccg cctgtctaca cgtgtccgacg cggagtgtcc gcctgtctac acgtgtccac 780
gcggantgcc cgcctgtctc cacntgtccg cgcggantgc ccgcctgtct acacntgtcc 840
atgtggagtg ccgcctgtct acgttgccga tgtgga 876
```

<210> 204

<211> 1504

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1494)

<223> n equals a,t,g, or c

<400> 204

```
tgtnytccmt gtgcnaacaac cygcycgaga ctggggcccy tctcagttaa ttgggtttca 60
caagcaataa tttctccaca acaaaaacca caacttgaag tgagttgaaa agagatcaat 120
agtggaaaca gtcgcctcag tactttttct ttctggattt catctctaga aatttgaagt 180
gtttgagaca gagtccaccc tttgtgcaag gcgagaacca atgaatggac tccttggtgtg 240
aattattgca tcttcttcca aagcagggtc atcaagactt tcacagagat tcatttttgt 300
tgagaagtaa gggttaatag gaggatagaa tttggatcca aatctagtga taaaagtgtc 360
caagcaatca aaaagtaaga tatttttaggg acataccaac atcttccctt tctgctaatt 420
tcatgtctca aagatatrgc aaaaaaaaa atcataaaaa gtgcttttgc cctacttgtg 480
ttctagtttt cccatggcag aattttgtaa ttacatccag aatatagtgt atattttgtt 540
cctcaaacct tattacattg gatggatatt gttgractgg ggcactgggtg cctatatcca 600
aggctctttc ctatcaacgt gtctgtccac gatttgttgt gtttaaagct tcattttgaa 660
aaatcactgt cccctgtgg gtagtgactg tattgttttg ttcatgtcta tgtgggacac 720
attgcatcac atggcaaacc aactctctgt ggatgtgaga taagtactta taaaaccagc 780
ttgaaaacat cgtcttatgt attatgtcat cctgcatcat aatgcaatta tgtgtatcat 840
aacatgctca tttaaaaaaa gagaaaccag caaattcatg tttgtccata gaagaatgta 900
ctcagaactt tgtgttgtga aacgatgaga acagaccacc ttttaagatac ccacctgcca 960
cttaaaatga cttagttata attagtagta gtctagacgt tgttcttggg gtgtgggggt 1020
caattctaac gtcatgttct tttgaataaa tctctcagtc atatttgaaa aaaaaataca 1080
tggaataaaa gaaaaatata atctttggcc aaatcaagca ggcactttt ttcttttctt 1140
tgacgtttag ctattatac gtggtgattg gatcacgaga tctgtccgtg tgaaaataca 1200
gaaacatcct ttagtttaca aaacagttat tctaggcttg aagcctctgg aacagcaaat 1260
tgaatagatg ggctgcatct gatttgcctt atggatgtaa ttttcaaaaa cactcttggg 1320
tctctgaccc caggaggtta agagtgccca gaggaggtcc tacacattaa aggataaagc 1380
ccccagtgta tgctggcagc aaatgtgttg agttcttaaa tcttccattt ggktttctgk 1440
ttcaggtttt taattgcaat ggattttntt tcccccggtt tttcttaagg gccncatttt 1500
ccca
```

1504

<210> 205

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<400> 205

```
agtcttgttc ctaatgcact tgtccacatc gtatgtcatt acaagtnctt ccccttcttt 60
aaccagaggg catagaattg gggcttagtg tgtcctaaac aagctaaaag attccacctg 120
tagaatcata aaatgagagt ctcacacagt ttcatgtctac tttttgtctc ttcagcaagg 180
aacggttgct gggattgtca gtgaccaggc atgtctggat agcttcacac atacacataa 240
tgcccggttc acctcagccc acacatgttc tagaagtagc cacttgccaa gtgtcagtgt 300
tcagtctaaa cagcaaatgg gttaaccaca tgaacagcac tggcccatgt gagaatgggtg 360
tgaaggcctc ctttgtacca ttttccattt ctctaactca catgtgtagt ctcagcactg 420
cagaggacag atttgtttgt gccctctgag actggttggt tggttggttg gttagttttg 480
```

ttttatgaat cctaaaattt gtcttggsct gttaaaaaaa aaatt

525

<210> 206

<211> 2494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2485)

<223> n equals a,t,g, or c

<400> 206

caaagaaaca ttggaaacaa tttctaataga agaacaaaca cctcttctta aaaagattaa 60
cccaaccgaa tctacttcca aagcagaaga aaatgaaaaa gttgattcaa aagtgaagc 120
tttcaagaaa ccattgagtg tatTTaaagg ccccttacta cacatcagcc cagcagaaga 180
actgtacttt ggaagtacag aatccggaga gaagaaaacc ttaatagtgt tgacaaatgt 240
aactaaaaat atagtggcat ttaaggtgag aacaacagct ccagaaaaat acagagtcaa 300
gccaaagcaat agcagctgtg acccggtgac atcagtggtg atagtgtgtg ctccccatgg 360
gggtttaaca gtctctgccc aagaccgttt tctgataatg gctgcagaaa tggaacagtc 420
atctggcaca ggcccagcag aattaactca gttttggaaa gaagttccca gaaacaaagt 480
gatggaacat aggttaagat gccatactgt tgaaagcagt aaaccaaaaca ctcttacgtt 540
aaaagacaat gctttcaata tgtcagataa aaccagtga gatatatgtc tacaactcag 600
tcgtttacta gaaagcaata ggaagcttga agaccaagtt cagcgttgta tctggttcca 660
gcagctgctg ctttccttaa caatgctctt gcttgctttt gtcacctctt tcttctattw 720
attgtacagt taaagaagtg gtgcccggta ggaaccacgg ttccttcgtc cattagttag 780
aaaagtaaca gacctaaac tctaccaagc tactaaaamc attgcacatc tgtgcttcc 840
aaaaggaaat atgcagcacg tggaggggaa cacatacatg tcttgaaaat aaactgctag 900
aataaagaaa tgctggagaa attgattata agagactata gctatttagt aaagtaagta 960
aaggcatatc cattgtgtaa attaatagtt taaatataat ttattttttc cttttgatct 1020
gaatactttt aaagcttaag ttttatcgtg taaatacatt agctaaactg aaaagtataa 1080
gtaacatgct ttgttgacgc caaaaaatgt aatctgcttt tttatgacag aattattata 1140
gctgagctga ctactagct tttctatact atgtatatag aagaacatgt atattgagaa 1200
agaaaacata cttatataga ggaatttatg taaccatgac tttgtaattt tgagaattcc 1260
tcccagtgat ggtcagtatt cttttggaat gtaaaccgat ttaatgccaa accaccttaa 1320
cctttgtttc tcagtgttcc ttaacagcct gccttttatt aatctcaggc ttttttatga 1380
acactctcat ttcagtagaa tttggaaaac taagcgtggt tggaatttct ttgaattctg 1440
ttagtaatgc ccaaaagaaa agtctcaagc agtcccccta tccagtcatt tttatggagt 1500
ttcatgttgt ccactatagc tggacactga accttttgcc taatttatta taaaggcctg 1560
accctctatt gtcccattct caccctcatt ccagagcaga ggagtctctg tggaccatga 1620
attgactgtg ctccctctc atttctaaat gaaaggatt agatataaat ttttttga 1680
ggtagtgtt ttgagatgct aagcaggata ataaatttag attttaaaat gttccctgta 1740
aaagtcagcc catgacaagg aaatttacia aatactagag tatctagaag ggtgaaaaca 1800
aaaaaaaaa aaaaaaaca cagacgcca ggtgtcagct ctccgtttta agaataaaaa 1860
atgtaactca tgatgatctg tgaaaccttc aaactaggac caattgactt acttgatatt 1920
ctgcctttga tatggtagta cccaccgggt attcctaaaa tcctaaaaag atacacctg 1980

cagtagcaga ggcaatgaca tgagtttgtt ttctcattaa tatgaccagt ttgggtctat 2040
gttggttcac atgtacatct actttatatg aaagaaaaaa cagtgtctg cctgtaaaat 2100
gttgagtttc gattgagcca tgtttgaga ttttattact attctgaagg gtagtggtgt 2160
tggttttcat cttcaagaag ttgattccaa aactgagtta tgaagaatga tataacagtt 2220
ccttcaaaat tggcctagga aataaaacct taaaaggaca ctggtgtgct actttgtctt 2280
aatttgggct tttctgtttc agtttgccac ctccagctgt gaaatggact gcagtccacc 2340
ctaagtactg tgcacagtat ctccctgtgt gtgtgcacag tggcttcccc ttacatggta 2400
gatttttggc cttaatatata tctaataccca aagtagttgt gtatgttttc tgttccttgg 2460
caataaaatg naggaataat ttagnccaag attg 2494

<210> 207

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (864)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (868)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (878)

<223> n equals a,t,g, or c

<400> 207

gggcacgagc tttgacccat tcaaggatgt ctctgcctgg agaactagat cctgactcag 60
tggcagcata ggttctcccc cagggtgggtg ctgaacttca gctcagaagc agcctggacc 120
ccatcttacc tccagataag gtgttttagg tactctgttg ccagtgttag tgcaacttag 180
tttaaaaata gaggacttgt tcacagtatg ctctaagtct cacactggag ttttgtgcaa 240
cataaagtag gtgatttttg agcagagcga agtctagaaa tttgccttaa attatttgtg 300
gtactctaga gaacgtggta tgtgtatgtg tgtatgtgtg tttgaatata ggaactagtt 360
cattgaacgt tagattgttc taagaccaga attagattaa aaatgcataa catattaagt 420
attaanaagt gtttatattg tatatgaatt ttttgcggta agtttagctt ggcattttag 480
gttttaattg atgcttaatc tgttaaaatg atgtactgta ttttaaagta ttctaattgt 540
gcttttttgt accatcttca gtatgaaaaa tgtcagtatt tagttccttt ctcaggcaca 600
attagatttt tattgacatt gttttcccc ttaactcatg taattagtca tagcaaccaa 660
gagtcaagag agtgattacc agccaattaa gaaaaatgtg accaagcaga ttgcagagta 720
caataaaacc atcgtggatg ctttacatag catcagcgga aactgagttt aagtccactg 780
aaagtctcta aggaagtatc ctcttgctgc taaacttggg acaagttgac taccaaaaaa 840
aaaaaaaaa agccgaggkg ggcnnngtnc aagggccttg 880

<210> 208
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 208
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<210> 209
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 209
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aggtgggggra acataaccag atttgttcgg catgkaactt gtgccaaatt tcctccaaag 240
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act 303

<210> 210
<211> 1168
<212> DNA
<213> Homo sapiens

<400> 210
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aaatgttttg aaaactttga atacttaaaa atggcagggt tagtattgca ctttgctagt 180
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<210> 211
<211> 3133
<212> DNA
<213> Homo sapiens

<220>
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<222> (3069)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3085)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3114)
<223> n equals a,t,g, or c

<400> 211
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<210> 212
<211> 680
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<400> 212
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tttcacaatt tcaacatgtc aaacctatga agggagatag gaaacaatga gaaacttact 300
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ggatccaggg gcttcaccgg 680

<210> 213
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 213
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<210> 214
<211> 2636
<212> DNA
<213> Homo sapiens

<400> 214

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<210> 215
<211> 1822
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (1816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1821)
<223> n equals a,t,g, or c

<400> 215
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<210> 216
<211> 3127

<212> DNA

<213> Homo sapiens

<400> 216

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gctgacaggt ccatgctgct ccagatttta ctttttcttg cccccagttt tttgggtcat 2880
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gaagggccaa accggccgca gccatgtttt cgcataactc cccttctgtc gtcttctcgc 3120
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<210> 217

<211> 1529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 217

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ccaggagggc ctcatctgca cctgggmccg gccgggcaag gcgttcacag acgaggagac 180
cgaggcccag acaggggaag gaagttaggc caggtcacc agcaagtcag tggtagaggg 240
catctcctcc caaccaggca actccccgag tggcacagtg gtgtgaagcc atggatatcg 300
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atcaacgtat taacaagact aaccatgatg gatggactgc tccagtcccc ccacctgcac 420
aaaatttggt ggccccccag actggccccg acacgggnga tgtaatagcc cttgtggcct 480
cagccttgct cccacccac tgccaagtac aatgacctct tcctctgaaa catcagtgtt 540
accctcatcc ctgtccccag catgtgactg gtcactcctg gggagasact ccccgccct 600
gccacaagag cccaggtct gcagtgtgcc cctcagttga gtgggcaggg ccgggggttg 660
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tgttaaatga tggaagcccc tcaggttcct cctgttccc cagacctctt atttatacta 780
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<210> 218

<211> 1100

<212> DNA

<213> Homo sapiens

<400> 218

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ttgttaaagg ggcagtagta ctttgtggga gccagttcac ctcccttcct aaaattcagt 180
gtgatcaccg tgtaaatggc cacactagct ctgaaattaa tttccaaat cttttagta 240
gttcataccc actcagagtt ataatggcaa acaaacagaa agcattagta caagcccctc 300
ccaacaccct taatttgaat ctgaacatgt taaaatttga gaataaagag acatttttca 360
tctctttgtc tggtttgtcc cttgtgctta tgggactcct aatggcattt cagtctgttg 420
ctgaggccat tatattttaa tataaatgta gaaaaaagag agaaatctta gtaaagagta 480
tttttttagta ttagcttgat tattgactct tctattttaa tctgmttctg taaattatgc 540
tgaaagtttg ccttgagaac tctatttttt tattagagtt atattttaaag cttttcatgg 600
gaaaagttaa tgtgaatact gaggaatttt ggtccctcag tgacctgtgt tgktaattca 660
ttaatgcatt ctgagttcac agagcaaatt aggagaatca tttccaacca ttatttactg 720
cagtatgggg agtaaattta taccaattcc tctaactgta ctgtaacaca gcctgtaaag 780
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gaacttcaaa ttgatgttta ctaatatatt tgtgacagag tataaagacc ctatagtggg 900
taaattagrt actattagca tattattaat ttaatgtctt tatcattgga tcttttgcac 960
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aaaaaaaaaa aaaaaaactc 1100
```

<210> 219

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 219

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ccgtggggag cgtggcgta gggggcccg gcggcgagc ccccttcag catcccgaa 60
agcagcagcg tcccgtacgg ctgcaggac tcggtgcaca gcagccctga ggacggcggc 120
ggcggcgsgg accgcmgtgg cgggaccggc gggccgcgcc tggtagatcg ctcccttaca 180
gtcacctct cgccgcacat gtttggagga tttaagtgcc ctgtatgctc aaaatttgta 240
tcctcagatg aaatggattt gcatcttgta atgtgtttta caaagccacg aataacctat 300
aatgaggatg tactgagtaa agatgctggg gaatgtgcaa tatgccttga agaattgcag 360
caggagagata ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat 420
gaatgggttg aagtaaatag atcttgccct gagcaccctt cagattaagc gtcannttcc 480
tgttttatag gttttcttgt cttgacaaga tgcttgaaaa accaagagga yatgaaaatc 540
tgtctctgga gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact 600
```

tggtaataca gagatggaca atcgtactgg ggtaaaaaaa ccctgctgaa gagaggacag 660
tgaccacaga actcagtgtgta ccaaactatgc atacaaaagga cacacaggga ttttgaaaat 720
gctgcacatc ccttaatagt catctacata ggtaatactg ataaacattt tgtattcaga 780
cgccaaagt aactgattta aaagtgtgatt tactttttat taagtctctc agagctgcac 840
aactagttat gttttgattt gttttgtttt ttaatttggg gtctctttgt tttccccaac 900
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tcttataaat tgaagtctta aatgtgaaac caagaaatgt aatcaagcag taaaaacatc 1020
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gattttatat acctttaaaa actgtaattt aattgggatg ccaggtttat agcaatttgc 1560
aactttaatt tccagataa tctggagggt agcatttgat aaatgatttt ttaaagtaga 1620
tatgaagatt ttgttaattt ataatttatt catgtgttat tactgtaatt gaaaatgtta 1680
tagacacttt taaattcagt ttgtgtagaa agaaatgtgt taaacaaaat tatgttaata 1740
aatattcccm cataataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1792

<210> 220

<211> 1310

<212> DNA

<213> Homo sapiens

<400> 220

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cgggaaaccc agccccgtca ccgggctccg agcggctcgc aggcgacgac acgkcctcag 120
ccccggcagc gccyagcgkc ggctgcggaa agcggaggga gtccgacgcg ggcgcgggcg 180
gggagcgtgc gtccgttcgc acaggcagcg ggaggagggg cggcggaac catggccggg 240
gacagcgagc agaccctgca gaaccaccag cagcccaacg gcggcgagcc ctctcttata 300
ggcgtcacgg gggaacagct agcggcaagt ctcccggtgt tgctaagatc gtgcagctcc 360
tggggcagaa tgaggtggac tatcgccaga agcagggtgt catcctgagc caggatagct 420
tctaccgtgt ccttacctcg gagcagaagg ccaaagccct gaaggsccag ttcaactttg 480
accacccgga tgcctttgac aatgarstca ttctcaaac actcaaagaa atcactgaag 540
ggaaaacagt ccagatcccc gtgtatgact ttgtctccca tccccggaag gaggagacag 600
ttactgtcta tcccgagac gtggtgctct ttgaagggat cctggccttc tactcccagg 660
aggtagcaga cctgttccag atgaagcttt ttgtggatac agatgcggac acccggtctc 720
cacgcagagt attaaggagc atcagcgaga gaggcaggga tcttgagcag attttatctc 780
agtacattac gttcgtcaag cctgcctttg aggaattctg cttgccaaca aagaagtatg 840
ctgatgtgat catccctaga ggtgcagata atctggtggc catcaacctc atcgtgcagc 900
acatccagga catcctgaat ggagggccct ccaaacggca gaccaatggc tgtctcaacg 960
gctacacccc ttcacgcaag aggcaggcat cggagtccag cagcaggccg cattgacctg 1020
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catctgtaca tactgtttcc tatgacatta ctgtatttaa gaaaacacca tggagatgaa 1140
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ccctgagctt aaataacaaa actgtgccaa ctactactgg tgatgcctaa ttatgaatcc 1260
aacgtgtaac cagttataaa tacatatata tataaaaaag gaaaaaaaaa 1310

<210> 221

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<400> 221

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tgagatagtg aargtgaaag caattggaag acaaagggtc aaagtccttg agctaagaac 180
acagtcagat ggaatccagc aagctaaaagt gcaaattcctt cccgaatgtg tgttgccctc 240
aaccatgtct gcagttcaat tagaatccct caataagtgc cagatatctt cttcaaaacc 300
tgtctcaaga gaagaccaat gttcatataa atggtggcag aaataccaga agagaaagtt 360
tcattgtgca aatctaactt catggcctcg ctggctgtat tccttatatg atgctgagac 420
cttaatggac agaatcaaga aacagctacg tgaatgggat gaaaatctaa aagatgattc 480
tcttccttca aatccaatag atttttctta cagagtagct gcttgctctc ctattgatga 540
tgtattgaga attcagctcc ttaaaattgg cagtgcctac cagcgacttc gctgtgaatt 600
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aaccaaaaat gaaatattca gtttatcctt atgtgggccg atggcagctt atgtgaatcc 720
tcatggatat gtgcatgaga cacttactgt gtataaggct tgcaacttga atctgatagg 780
ccggccttct acagaacaca gctggtttcc tgggtatgcc tggactgttg cccagtgtaa 840
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agaataccag aaacatctac ttgggtagct tgggtgccatt atcctgtgga atctgatatg 1260
tctggtagca tgtcattgat gggacatgaa gacatctttg gaaatgatga gattatttcc 1320
tgtgttaaaa aaaaaaaaaa aaaaatngct gcggccgaca agggaattc 1369
```

<210> 222

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 222

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tgcgagaaga cgacagaagg ggagagactt gagggaggcg ctgcgactga caagcggctc 60
tgcccgggac cttctcgctt tcatctagcg ctgcactcaa tggagggggcg ggcaccgcag 120
tgtttaatgc tgtcttaact agtgtaggaa aacggctcaa cccaccgctg ccgaaatgaa 180
gtataagaat cttatggcaa gggccttata tgacaatgtc ccagagtgtg ccgaggaact 240
ggcctttcgc aagggagaca tcctgaccgt catagagcag aacacagggg gactggaagg 300
atggtggctg tgctcattac acggtcggca aggcattgtc ccaggcaacc ggggtgaagct 360
tctgattggt cccatgcagg agactgcctc cagtcacgag cagcctgcct ctggactgat 420
gcagcagacc tttggccaac agaagctcta tcaagtcca aacccacag gcttgcttcc 480
cccagacac ccattcttac ccaaggtgcc cacccttcc cttacccaaa aaatcaaggg 540
ggaaatTTTT acccaaaggt tcccccaact ttnggcccaa cgggnaacc ccaaaggana 600
caaaggagg gtattattca ggggtgcccc acccanttaa gggtgcaagg aggaaaggca 660
ttttggggg ggaaccaggg tttggggccc ccaacgttng ggtataaaaa agggttgttt 720
ccaggaggag gattgggcaa agttgttcct atttctttg gttaggagcc tntttaacaa 780
aaccagctt gt 792
```

<210> 223

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (851)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (885)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (911)

<223> n equals a,t,g, or c

<400> 223

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gccccctctg cagtaccccc gccctcttc tcccaccaca atgagatcct aagatggcgg 60
tggtgcggc ggttggcgct gcgtactgag gtcgaaaagg cggccactgg ggccgaggca 120
gccaggaaac gtgtgggctt ctctgctgag gtctccgagg gccgaccgct gccggcggcg 180
ggtcgtgggg gctgactgtc gctctgcctt tgacaggaga ggctgcttct tgtagaggaa 240
acagctttga agtggtggagc gggaaaggag cagtttctga gctgcaaaaa ctagtcttcta 300
aacagagagt taattgttaa atccagtatg gccacaggag gaggtccctt tgaagatggc 360
atgaatgatc aggatttacc aaactggagt aatgagaatg ttgatgacag gctcaacaat 420
atggattggg gtgccaaca gaagaaagca aatagatcat cagaaaagaa taagaaaaag 480
tttggtgtag aaagtataa aagagtaacc aatgatattt ctccggagtc gtcaccagga 540
gttggaaggc gaagaacaaa gactccacat acgttccac acagtagata catgagtcag 600
atgtctgtcc cagagcaggc agaattagag aaactgaaac agcggataaa cttcagtgat 660
ttagatcaga gaagcattgg aagtgattcc caaggtagag caacagctgc taacaacaaa 720
cgtcagctta gtgaaaaccg aaagcccttc aactttttgc ctatgcagat taataactaac 780
aaggagcaaa ggtgcatttt acaagtcccc caaacagagg aaacggttgg gttcagcaca 840
gtgttaaagg nttgttttgc tttctggttt ttaagtaatt gaccnctttg gccanacttt 900
tccgggtgtt ntgaaggagg t 921
```

<210> 224

<211> 1979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1949)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1953)

<223> n equals a,t,g, or c

<400> 224

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ggcagaggca gagcccggtg ccgagaccaa gcgacagacc ggcggggctg ggcctcgcaa 120
agccgggctc gcgagctctc ccgacaccg agccggggag gaaaagcagc gactcctcgc 180
tcgcatcccc gggagccgca ctccagactg gcccggtagt cagggggtca ggagcagatc 240
ccgaggcagg ctttgctcag cctccgacga gggctggccc tttggaaggc gccttcaaca 300
gccggaccag acaggccacc atgaccgaga attccacgtc cgcccctgcg gccaaagccca 360
agcggggcaa ggcctccaag aagtccacag accaccccaa gtattcagac atgatcgtgg 420
ctgccatcca ggccgagaag aaccgcgctg gctcctcgcg ccagtccatt cagaagtata 480
tcaagagcca ctacaagggt ggtgagaacg ctgactcgca gatcaagttg tccatcaagc 540
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```
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ggctagccaa gagcgacgaa cccaagaagt cagtggcctt caagaagacc aagaaggaaa 660
tcaagaaggt agccacgcca aagaaggcat ccaagcccaa gaaggctgcc tccaaagccc 720
caaccaagaa acccaaagcc accccggtca agaaggccaa gaagaagctg gctgccacgc 780
ccaagaaagc caaaaaaccc aagactgtca aagccaagcc ggtcaaggca tccaagccca 840
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ttttctcctt ttttctctct tgatgtcac caccaccttt tgcccccttc tgttctgact 1020
ttataagaga caggatttgg attcttcaga aattacagaa taattcattt ttccttaacc 1080
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cttggttttg tggggtgctg gccacttaaa acctcccgat ctctttttga gtcctttttt 1860
taaacaagtg ttacttgtgc cgggaaaatt ttgctgtctt tgtaatttta aaactttaaa 1920
ataaattgga aaagggaraa aaaaaaagna aanaaaaaaa aaaaaaaaaa aaaaaaaaaa 1979
```

<210> 225

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (532)

<223> n equals a,t,g, or c

<400> 225

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atggaggatg gaaagcccggt ttgggcgcca caccctacag atggatttca gatgggcaat 120
attgtggata ttggccccga cagcttaaca attgaaccct tgaatcagaa aggcaagaca 180
tttttggtct tcataaacca agtgtttcct gcagaagagg acagtaaaaa agatgtggaa 240
gataactgtt cactaatgta tttaaatgaa gccacactgc tccataatat caaagttcga 300
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tatagtaaag acagaattta tacatatgtc gccaacattc tgwtgacagt gaatccatac 360
tttgacatac ctaaaatata tcttcagagc ataaagtcac atcaaggaaa atctcttggg 420
acaagaccac ctccaggtct ttgcaattgc tgataagcct ttcgggacct ggaaggtgcc 480
ccaagatgag tcagtctaac catggnatcc nggagaatcc aggggccggg gnaaaccagg 540
a 541

<210> 226

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<400> 226

tcgacccacg cgtccgtgaa taagcaatct ggcctttgag ggggctggtg cggtacagac 60
aattctgtgg agcggttcg gcggctccga ggagaagcaa tatgttaagg atacctctaa 120
gaagggcctt agtangcctt tctaataagt cttccaaagg atgtgttcga acaactgcca 180
cagcagcaag caacttratt gaagtatttg ttgatggtca rtctgtcatg gtggaaccrg 240
gaackacygt cctccaagct tgtgagaagg ttggcat 277

<210> 227

<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2026)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2042)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2050)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2061)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2062)

<223> n equals a,t,g, or c

<400> 227

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gggtcgaccc acgcgtccgg ggcacattag ctacgcctcg ctctactctc tctaacggga 60
aagcagcgga atacaagaga ctgaactgta tctgcctcta ttccaaaag actcacgttc 120
aactttcgtc cacacaaagc cgggaaaatt ttattagtcc tttttttaa aaaagttaat 180
ataaaattat agcaaaaaaa aaaaggaacc tgaactttag taacacagct ggaacaatcc 240
gcagcggcgg cggcagcggc gggagaagag gtttaattta gttgattttc tgtggttgtt 300
ggttgttcgc tagtctcacg gtgatggaag ctgcacattt tttcgaaggg accgagaagc 360
tgctggaggt ttggttctcc cggcagcagc ccgacgcaa ccaaggatct ggggatcttc 420
gcactatccc aagatctgag tgggacatac ttttgaaggga tgtgcaatgt tcaatcataa 480
gtgtgacaaa aactgacaag caggaagctt atgtactcag tgagagtagc atgtttgtct 540
ccaagagacg tttcattttg aagacatgtg gtaccaccct cttgctgaaa gcactgggttc 600
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taccaggttc tgtcattgat gccacaatgt tcaatccttg tgggtattcg atgaatggaa 1020
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catatttgct attttaacat tattggaccc tgcatttata gtcctttgat ttcttccctc 1980
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anggggggcn gccctagggg nnccaagct 2069
```

<210> 228

<211> 471

<212> DNA

<213> Homo sapiens...

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<400> 228

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taatgtagga actggtgaga agaaggtgac tgaagcctgg atttctgagg atgaaaactc 120
acataggacg acgtcagaca gactcacggt gatggagctc ccctctccc agtctgagga 180
agtccacgag cccagattag gggagctctt gggaaatcca gaaggtcaga gcctggggag 240
ttccccctct caggacagg gctgcaacag gtgacagtga cccattngaa gatccagaca 300
ggagagacag ctcaagtgtg caccaagtca ggaagaaacc atattctgaa atcagacttc 360
ttctggcttc anagagagct ccttagaagg gggaaagccat tccttgcat atcctgtngg 420
gaaaccttca cgtttaattc ggacctaaat aaggcatcgg antttcgcat c 471
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<210> 229

<211> 1640

<212> DNA

<213> Homo sapiens

<400> 229

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cttctcttac ctcccgggtc tgtmaccgct ggaagaggct ggtggacgac cgggtggctgt 120
ggcgacatgt cgacctgacg ctctacacga tggcgacctc aagtcattgt gcacctcctt 180
cgaaggtaca tggcatcccc gctccattcc ctgcggatgg gtggtacctt gttctctggc 240
tcccaggccc cccagttgtc ccctgctctg ttgagagccc tgggccagaa gtgccccaac 300
ctgaagcgcc tctgcctgca cgtggccgac ctgagcatgg tgcccatcac cagcctgccc 360
agcaccttga ggacctgga gctgcacagc tgcgagatct ccatggcctg gctccacaag 420
cagcaggacc ccaccgtgct gcccctgctt gaatgcatcg tgctggaccg cgtccccgcc 480
ttccgtgacg agcacctgca gggcctgacg cgcttccggg ccttgcgctc gctgggtgctg 540
ggtggtacct accgtgtgac cgagacaggg ctggatgctg gcctgcagga gctcagctat 600
ctgcagaggc ttgaggtgct gggctgcacc ctgtctgccg acagcaccct gctggccatc 660
agccgccacc ttccgagatg tgcgcaagat ccggctgacc gtgagggcct ctctgccctt 720
ggcctggctg tgctggaggg aatgccggcc ctggagagtc tgtgcctgca ggggtccctc 780
gtcacccacg aaatgccctc cccactgaa atcctctcct cctgcctcac tatgcccaag 840
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tggtggatgt aactactcca cctgcccttg ggacctatcc cagttttcat cattgagccc 1020
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cccaggttga gagaacagag gcctagggac ctccagacca ttggaatcac tgtttgccag 1140
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tccagaggct ctcaatgaag agtcaccttc atggctgctt tcaggaacag gacggatgaa 1320
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gaaggggtgg ggttaagact caggggcacc tgagggctctg agccccctta tgagtaccca 1380
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taaaagtgtc caattatatt ttctgtatgt tgtatgctgt attttccaag acgtatatta 1560
ttttactatt aaagaaaaaa atcatttttt tttcccgaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa 1640

<210> 230

<211> 1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1952)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1963)

<223> n equals a,t,g, or c

<400> 230

cngncccgag cccagagcgc cggcggcccc actcccggcc gcccctttct ttctcctcgc 60
cggcccgaga gcaggaacac gataacgaag gaggcccaac ttcatccaat aaggagcctg 120
acggatttat cccagacggt agaacaaaag gaagaatatt gatggatttt aaaccagagt 180
ttttaaaagag cttgagaata cggggaaatt aatttgttct cctacacaca tagatagggg 240
aaggttggtt ctgatgcagc tgagaaaaat gcagaccgtc aaaaaggagc aggcgtctct 300
tgatgccagt agcaatgtgg acaagatgat ggtccttaat tctgctttaa cggaagtgtc 360
agaagactcc acaacagggt aggagctgct tctcagtga ggaagtgtgg ggaagaacaa 420
atcttctgca tgcggagga aacgggaatt cattcctgat gaaaagaaag atgctatgta 480
ttgggaaaaa agcggaataa ataataaagc tgccaaaaga tctcgtgaga agcgtcgact 540
gaatgacctg gtttagaga acaactaat tgcactggga gaagaaaacg ccactttaaa 600
agctgagctg ctttactaa aattaaagtt tgggttaatt agctccacag catatgctca 660
agagattcag aaactcagta attctacagc tgtgtacttt caagattacc agacttccaa 720
atccaatgtg aattcatttg tggacgagca cgaaccctcg atggtgtcaa gtagttgtat 780
ttctgtcatt aaacactctc cacaagctc gctgtccgat gtttcagaag tgcctcagt 840
agaacacacg caggagagct ctgtgcaggg aagctgcaga agtcctgaaa acaagttcca 900
gattatcaag caagagccga tggaaattaga gagctacaca agggagccaa gagatgaccg 960
aggctcttac acagcgtcca tctatcaaaa ctatatgggg aattctttct ctgggtactc 1020
acactctccc ccactactgc aagtcaaccg atcctccagc aactccccga gaacgtcgga 1080

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aactgatgat ggtgtggttag gaaagtcattc tgatggagaa gacgagcaac aggtccccc 1140
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agaagtgaat tcctctgsct tgscacacaa gctccggrtc aaagccaaag ccatgsagat 1260
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gatagcaaac ttatctgcag aggttgtctc actcaagaga cttatagcca cacaaccaat 1620
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aagattagat tgtgttatca ctctgcctgt gtatagtcag atagtccatg cgaaggctgt 1860
atatattgaa cattattttt gttgttctat tataaagtgt gtaagttacc agtttcaata 1920
aaggattggt gacaaacaca gaactcctgc tncattgcat tgnnttgatg 1970
```

<210> 231

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 231

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gcgagactcc gtctcaaaac aaaacaaata aaaaaaacia acagtatttt ttaggaattc 60
attttatttt aaattttgta aggaggagtt acaaaaagac aaatactaca tatgattcca 120
cttgtcatat ctagagtcaa attcatggag acagaaagta gaaagggtgg taccagcggc 180
tggaaggag agaagtggga gtttaattgg tatagaattt tagttttgta aggtgaaatg 240
agttctggag attggttgca cnaacagtgt gaatatatct aacactactg aactgtanac 300
ttaaagtatg 310
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<210> 232

<211> 2833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2828)

<223> n equals a,t,g, or c

<400> 232

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gtccctcagc ccagccacca tgagcaccaa gcagatcact tgcaggtatt ttatgcatgg 120
tgtgtgtcgg gaaggaagtc agtgcctatt ctcacatgac ttggcaaaca gcaaaccgtc 180
caccatctgc aagtactacc agaagggtca ctgtgcctat ggaactcggg gcagatatga 240
ccacacgagg ccctctgctg cagctggagg tgctgtgggc accatggccc acagtgtgcc 300
ctccccagct ttccacagtc ctcaccctcc ttccgaggtc actgcatcca ttgtgaaaaa 360
taactcacat gaacccggaa agcgtgaaaa gagaacattg gttcttagag accgaaatct 420
ctctggcatg gctgaaagga agaccagcc gagcatggtg agtaatccag gcagctgcag 480
cgacccccag ccagcccccg agatgaagcc gcattcctac ctggatgcca tcaggagtgg 540
ccttgatgac gtggaggcca gcagctccta cagcaacgag cagcagctgt gccctacgc 600
agctgctggg gagtgccggg ttggggatgc ctgtttctac ctgcacgggg aggtgtgtga 660
aatctgtagg ctgcaagtyt tgacccatt cgacccagag cagaggaagg ctcacgaaaa 720
gatctgcatg ttgacgttcg aaacagagat ggaaaaggcc tttgccttcc aggcaagcca 780
ggacaaagtg tgcatatct gcatggaagt gatcctggag aaggcctctg cttctgagag 840
gagatttggg attctctcca attgcaatca cagctactgt ttgtcctgca tccggcagtg 900
gcggtgtgcc aaacagtttg aaaacccaat cattaagtct tgtccagaat gccgtgtgat 960
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gattgaagct ttcaaacagg ggatggggaa aaaagcctgt aaatactttg agcaaggcaa 1080
ggggacctgc ccatttgga gcaaattgtct ttatcgccat gcttaccctg atgggcggct 1140
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tattaaaaata acataattga gggaccatca gataactgta tttgttcagg tgcaataaaa 2760
acaaaattaa aacccaaatc atcaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820
```

aaaaaaaaaa aaa

2833

<210> 233

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

<400> 233

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ggcagagggtc caacgtagac agtgggtctca tkcactccat aggcttaggt taccacaagg 60
atctccagac aagagctaca tttatggaag ttctgacaaa aatccttcaa caaggcacag 120
aatttgacac acttgacaaa acagtattgg ctgacggtt tgagagattg gtggaactgg 180
tcacaatgat gggatgatcaa ggagaactcc ctatagcgat ggctctggcc aatgtgggtc 240
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ttactctacc aactgctctg gaacatgttt tctaaagaag tagaattggc agactccatg 360
cagactctct tccgaggcaa cagcttggcc agtaaaataa tgacattctg tttcaaggta 420
tatggtgcta cctatctaca aaaactcctg grtcctttat tacgaattgt gatcacatcc 480
tctgattggc aacatgttag ctttgaagtg gatcctacca gkttagaacc atcagagagc 540
cttgaggaaa accagcggaa cctccttcag atgactgaaa agttcttcca tgccatcatc 600
agttcctcct cagaattccc ccctcaactt cgaagtgtgt gccactgttt ataccaggca 660
acttaccact ccctactgaa taaagctaca gt 692
```

<210> 234

<211> 1353

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1020)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<400> 234

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aagatggcgg actcgggtggc tagccgatga ggaggccgcg gggggaaccc ggccccggg 120
ccccgagacc gactgaggga gcgacctgcg cagggcccg ggagtcattg tctccatcac 180
ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccctgctcgg ctgtctggcc 240
```

```
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ctgttgagg aggccccagt gcaggtcctg tgcaaggact gcagcggtt ctggaacagg 360
cgaagagccc tggggagctg ctgctgctggc tggggccagaa cccagcaag gtgcgcgccc 420
accactactc ggtggcgctt cgtcgtctgg gccagctctt ggggtctcgg ccacggcccc 480
ctcctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccc 540
cctttgacat tcacaccatc cacgtgtgtc tgcaccttgc agtcttactt ggctttccat 600
ctgatggtcc cctggtgtgt gccctggaac aggagcgaag gctcgcctnc cctccgaagc 660
cacctcccc tttgcagccc cttctccgag gtgggcaagg gttggaagct gctctaagct 720
gccccggtt tctgcggtat ccacggcagc atctgatcag cagcctggca gaggcaaggc 780
cagaggaact gattatccac gtgatggtgc tcctggccca gcacctggcc cggcaccggt 840
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ccccagtccc cgctccccc caggcaccac tcattgctctg attgtgcgtc gctantctct 1260
cctgctggaa aagccgtgg agctggagtc ccaggataac ggggtccccg gctttcccca 1320
aggcagcaag ttgccatctt cccagctttc atc 1353
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<210> 235

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<400> 235

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ttccgcttcc gcttgcacac ttctcaggaat ttgattctga gagcagggtc gcggttccag 300
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<210> 236

<211> 2271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 236

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<210> 237

<211> 3050

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3024)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3031)
<223> n equals a,t,g, or c

<400> 237

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<210> 238

<211> 2802

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1800)

<223> n equals a,t,g, or c

<400> 238

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<210> 239

<211> 1537

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 240

<211> 1334

<212> DNA

<213> Homo sapiens

<400> 240

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<210> 241

<211> 2438

<212> DNA

<213> Homo sapiens

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<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (879)

<223> n equals a,t,g, or c

<400> 241

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tactcaactt tttaaaaaaa aaaaaaaaaa aaaaaaat 2438
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<210> 242

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 242

aagaccggag cttgtccgga agattkcaaa tactgcccgc aaagctcgcg ctacaaaacc 60
gggttggarc cagwccggttg atggaagttg aacaggtgct ggagtcggcg cgcaaagcaa 120
tagggactag ggatcgcgcg 139

<210> 243

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<400> 243

gctcgtgccg aattcggcac gaggcagttt ttgaaagttt gaaattaagt aaaaattaaa 60
agtcacaaaa gattttgcat gtcaagattc tagccttttt cttctggtgt actgagaggc 120
cagaggagcc cattctaggg actaagtatt gacagaattt gggtctgtgg caagaattac 180
ctgggtgtcct agcactaagg accagtaggt cagagccctt gacttagatt tcaggacaag 240
aaacagaaaag attggaatag gattgraatg gagtctcccc gtgattttaa aaaacactta 300
statggggcc asgcgcrcrk tggtcaacg cctgtaatcc cagcactttg ggaggccaag 360
atgggtggat catgaggtca ggagatcgag accgtcctgg ctaacatggt gaaaccccg 420
ctctactaaa aatataaaaa aattaacccg gccgtggtgg cngggcgccct gtagtccca 479

<210> 244

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 244

tgggatatct ccggagcatt trgataatgt gacagttgga atgcagtgat gtcgactctt 60
tgcccaccgc catctccagc tgttgccaag acagagattg ctttaagtgg caaatcacct 120
ttattagcag ctacttttgc ttactgggac aatattcttg gtcctagagt aaggcacatt 180
tgggtccaa agacagaaca ggtacttctc agtgatggag aaataacttt tcttgccaac 240
cacactctaa atggagaaat cttcgaaat gcagagagtg gtgctataga tgtaaagttt 300
tttgtcttgt ctgaaaaggg agtgattatt gtttcattaa tctttgatgg aaactggaat 360
ggggatcgca gcacatatgg actatcaatt atacttccac agacagaact tagtttctac 420
ctcccacttc atagagtgtg tgttgataga ttaacacata taatccggaa aggaagaata 480
tggatgcata aggaaagacm agaaatgtcc agaagattat cttagaaggc acagagagaa 540
tggaagatca ggtcagagta ttattccaat gcttactgga gnnng 584

<210> 245
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 245
ggcacagcgt tcacccgaca gtgttcacag ggcccatggg acagagcacg gagcaggggc 60
ccccaggttg tgcgcttgcc agggccacat cttgagcctt cgctctgctc cttcgagagc 120
cgctgctgcc ccacccaat cccaaccag ccacccctc ctgcctccct gccatctgtc 180
cctttcatcc tccctggcgt gccaaagcgc tgccatggca ccgcctgtta cctanccag 240
ctacaaatgc cagccttgaa tctgccttg antcccttcc tctaccangt aaacagcctt 300
aactcagccc tgccactccc tgctctgaag ct 332

<210> 246
<211> 1617
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 246
cccagatcc ctttcccaga gtgctctgcg ccgwgaaaga gcggctcccc gggactkggg 60
gcattttgtg ttggctggag ctggagtaac aagatggcgt cgtccgcgga gtgacagggg 120
tccctctggg ccggagccgg cggcagtggg ggacagcgga tcgccgccct agctcaccgc 180
gccccttttc cagcccgcga cgtcgccgcg caagnaggca gcggcgcccg ccgagaaaaca 240
agtggcccag cctggtaacc gccgagaagc ccttcacaaa ctgcccctg gcaaaaagaa 300
acctgactga gcggcgggta tcaggttccc ctctgctgat tctgggcccc gaaccccggg 360
aaaggcctcc gtgttcctgt tctgcccgc ctcctccgta gccttgccca gtgtaggagc 420
cccaggcct ccgtctctt cccagaggtg tcggggcttg gccagcctcc atcttcgtct 480
ctcaggatgg cgagtacag cggctccaag gctgaattca ttgtcggagg gaaatataaa 540
ctggtacgga agatcgggtc tggctccttc ggggacatct atttggcgat caacatcacc 600
aacggcgagg aagtggcagt gaagctagaa tctcagaagg ccaggcatcc ccagttgctg 660
tacgagagca agctctataa gattcttcaa ggtgggggtg gcatcccccatacaggtg 720

tatggtcagg aaaaagacta caatgtacta gtcattggatc ttctgggacc tagcctcgaa 780
gacctcttca atttctgttc aagaaggttc acaatgaaaa ctgtacttat gttagctgac 840
cagatgatca gtagaattga atatgtgcat acaaagaatt ttatacacag agacattaaa 900
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ggcccaaac ccacaggga agcaaacgga cmaaaccaag agtaacatga aaggtagta 1500
rccaagaacc aagtgcgtt acagggaata aattgaatmc aaaattgggt aattcatttc 1560
taacagkgtt agatcaagga ggkgtttta aaatacataa aaatttggt ctgcgtt 1617

<210> 247

<211> 1449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1447)

<223> n equals a,t,g, or c

<400> 247

cgcggggctg gtagcgggccg gagccgtgctg akttctctac cctgcttcgc gagcgggcga 60
gagaacgcga gtcccaggat ccccggcacc casttctctt cactgcatt ccccgggcgc 120
gtgtgggacc gaggtggaca tggatccgca gaggtcccc ctattggaag taaaggggaa 180
catagaactg aagagacctc tgattaaggg cccttccag ctgcctctct caggaagcag 240
actcaagagg aggcctgacc agatggaaga tggcctggag cctgagaaga aacggacaag 300
aggcctgggt gcaasgacca aaattaccac atcccaccca agagttccat ccctcactac 360
agtccacag acacaaggcc agaccacagc tcaaaaagtt tccaagaaga caggacccc 420
gtgttccaca gctattgcc aagggttgaa gaaccagaag ccagttcctg ctgttcctgt 480
ccagaagtct ggcacatcag gtgttcctcc catggcagga gggaagaaac ccagcaaagc 540
tccagcctgg gacttaaagg gtcagttatg tgacctaat gcagaactaa aacggtgccg 600
tgagaggact caaacgttg accaagagaa ccagcagctt caggaccagc tcagagatgc 660
ccagcagcag gtcaaggccc tggggacaga gcgcacaaca ctggaggggc atttagccaa 720
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tgaccgggtt tcccaccag gaagtggaca ggaatgaag tttgaagaga ttgccatgct 1320
tgtccagtca gccctggatg gctatccakt atgcatcttt gcctatggcc agacargcag 1380
tggaagacc ttcacaatgg aggggtgggt gggggagacc ccarttgga gggctgatcc 1440

ctcgggncc

1449

<210> 248

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1478)

<223> n equals a,t,g, or c

<400> 248

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ccacgcgtcc gcgacgctg gacggacgcg tgggtcnggt taggaggagc taggctgcc 60
tcgggcccgt gcagatacgg gggtgctctt ttgctcataa gaggggcttc gctggcagtc 120
tgaacggcaa gcttgagcaa cgcggtaaaa atattgcttc ggtgggtgac gcggtacagc 180
tgcccaaggc cgttcgtaac gggaatgccg aagcgtggga aaaaggagc ggtggcggaa 240
gacggggatg agctcaggac agagccagag gccaaaga gtaagacggc cgcaaagaaa 300
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acctcaccca gtggcaaacc tgccacactc aagatctgct cttggaatgt ggatgggctt 420
cgagcctgga ttaagaagaa aggattagat tgggtaaagg aagaagcccc agatatactg 480
tgccttcaag agaccaaagc ttccagagaac aaactaccag ctgaacttca ggagctgcct 540
ggactctctc atcaatactg gtcagctcct tcggacaagg aagggtagag tggcgtgggc 600
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caggaaggcc gggtgattgt ggctgaattt gactcgtttg tgctggtaac agcatatgta 720
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cgcaagttcc tgaagggcct ggcttcccga aagccccctg tgctgtgtgg agacctcaat 840
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cctcaactac cattccttct ttaaacactc ttcagagaaa tctgcattct atttctcatg 1260
tataaaacta ggaatcctcc aaccaggctc ctgtgataga gttcttttaa gccaagatt 1320
ttttatttga gggttttttg ttttttaaaa aaaaattgaa caaagactac taatgacttt 1380
gtttgaatta tccacatgaa aataaagagc catagtttca aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaannng gggg 1484
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<210> 249

<211> 2422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2408)

<223> n equals a,t,g, or c

<400> 249

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ccttctttaa aacaaaaata cgtacaaggc ccacgcgtcc gcggacgcgt ggggagtctt 120
tctaattctt cttttctaca gacccatctg acctctccct tctcccccag gctgctcctt 180
gccaggccga gctaggtccc aattcttctc cagcctctgc tctccaccc tataatcttt 240
ttatcacctc cctcctcac acctgstccg gcttacagtt tcttccgtg actagccctc 300
cccsacctgc ccagcaattt actcttaaaa aggtggctgg agctaaaggc atagtcaagg 360
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taaaaaycca gccagtttca tgrctygttt ggcagcaacc ctgagacact ttacagccct 480
agaccctaaa aggtcaaaaag gccrtcttat tctcaawata cattttatta cccaatctgc 540
tcccagacatt aaataaaaact ccaaaaatta rawtcyggcc ctcaaaccac acaacaggay 600
ttaattaacc tcrcttcaaa ggtgtacaat aatagaaaaa agttgcaatt ccttgcttcc 660
actgtgagac aaaccccagc cacatctcca gcacacaaga acttccaaac gcctgaacyg 720
cagcrgccag gcgttctctc agaacctcct cccacaggag cttgctacac gtgccggaaa 780
tctggccact gggccaagga atgcccgcag ccygggattc ctctaagcc rcgtcccatc 840
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caatactctt ttaagcactc ctttttagtt atccccatct gccagttcc cttattaggc 1260
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gtttttctcc ttctgttatt ccatttagtt tctcaattca tccaaaaccg tatccaggcc 2220
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atcaccaatc attctatayg acaaatgttt cttctwacat ccccaacaata tcaccctta 2280
ccacaagacc tcccttcagc ttaatctctc ccactctagg ttcccasgct gcccctaate 2340
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<210> 250

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 250

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tctgtatattt ggtgaantcc atccagacgt caattaacac ttcctttatt ttgggggttgc 120
ccaactcgtt tccccaggat ttaaagacta taacgatgat aaaagtcagt ttcgcaccct 180
gtcaaaaggt tggcccgttg ccttttcctt cccggcaata ctcggttcaa ttaggtcttg 240
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gctcctggga tcttaaagac agggtcagga ggatcaggag ggacaagagg gatggaggcg 480
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ggccctgtc ctccggcncg agatgaatcc tgcg 574

<210> 251

<211> 1044

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1011)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1012)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1013)
<223> n equals a,t,g, or c

<400> 251
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gggcgtggac cgtggagcag ctgcgcagtg agcagctgcc caagaaggac attatcaagt 120
ttctgcagga acacggttca gattcgtttc ttgcagaaca taaattatta ggaaacatta 180
aaaatgtggc caagacagct aacaaggacc acttggttac agcctataac catctttttg 240
aaactaagcg ttttaagggt actgaaagta taagtaaagt gtctgagcaa gtaaaaaatg 300
tgaagcttaa tgaagataaa cccaaagaaa ccaagtctga agagaccctg gatgagggtc 360
caccaaaata tactaaatct gttctgaaaa aggagataa aaccaacttt cccaaaaagg 420
gagatgttgt tcaactgctgg tatacaggaa cactacaaga tgggactgtt tttgatacta 480
atattcaaac aagtgcataa aagaagaaaa atgccaaaggc ttaagtttt aaggtcggag 540
taggcaaagt tatcagagga tgggatgaag ctctcttgac tatgagtaaa ggagaaaagg 600
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caactagtta gaacttgta ctattgtaaa ggaagagtca actggaaaat tcaaggagtt 840
aataaaatgt gtttacttgg tcccagcttt tgagagataa atcccttatg aatccctggt 900
ctaaaatact ttcttacagc tgtgtaaaaat actggtcaag gagaactttt tcctttttacc 960
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aaaaaaaaaa aaaaaaaaaa aaaa 1044

<210> 252
<211> 1029
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 252

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gccccgacgtg gggctcctgg gccgcggcg cgggcgggcg atgctccaga ggcctgacca 120
gccatggagg ccgaggcagg cggcctggag gagctgacgg acgaggagat ggcggcgcta 180
ggcaaggaa agctagtgcg gcgcctgcgg cgggaggagg cggcgcgccct ggcggcactg 240
gtgcagcgcg gccgcctcat gcaggagggt aatcggcagc tgcagggcca cctggggcag 300
atccgcgagc tcaagcagct caaccggcgt ctgcaggcag agaaccgtga gctgcgcgac 360
ctctgtgtgt tcctggactc ggagcgccag cgcggggcgg gcgccgcacg ccagtggcag 420
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ctggccgagc tggagggccg ccaggaggag ctgctgcggg agaacctagc gcttaaggag 540
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tcaggagccg ggccagcacc cgagcttgcc ttgccccgt gcgggccccg cgacctaggc 660
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cccgggaccg ctgtggacct cgggacctgg acgcccgtct gstgcgcagg agggncgcgt 840
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atctagaac 1029
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<210> 253

<211> 475

<212> DNA

<213> Homo sapiens

<400> 253

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gaaataaatc actcataatc ccagcagaca gaattaatca ctgtcatttt aggtgtattt 240
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tggaatgga aaatgggcag taaattctgt acatgtgcct tcttgtattt ttgttgattt 360
tttawatcat gcytttttgc aaaatacatt ataaattaaa catggaattt cactagtttt 420
ctgtgggtatt cattttccat gggctggaat aatggtccgg tccactatat ggggt 475
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<210> 254

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 254

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ttgcacaccg cggctaattg cgcgcggcag gctacagaaa cgacctgcca agacgtcgcg 180
gcgacccccg tcgcgcggta cccgcggatt gtggcctcca tgacagccga cagcaaagct 240
gcacgggtgc ggcggatcga gcgctggcag gcgacggtgc acgctgcgga gtcggtagac 300
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gagaagctgc gaatcctcac caagatgcag tttatgaagt acatgggtta cccgcagacc 360
ttcgcgctga atgccgaccg ctggtaccag tacttcacca agaccgtgtt cctgtcgggt 420
ctgccgccgc cccagcgan cccgagccc agcccgaacc cgaacctgaa cctgcgctgg 480
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attttagtta ccttttggtg atttaaaaat aattgcattt gtatattgct aactgataag 1620
acaaattgag ttattgagct attaaatgca cattttaata taaatgcaga aatcccaaat 1680
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<210> 255

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<400> 255

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cagcagcagg aaagcgtctc camtctccct gccagcgtgc atccccagct gtscacaggm 120
agagcctgga gaccagctac ctgcagcaca gactccagra gccagcctt ctgtcaaaag 180
cccagaacac ctgtnagcat ctgctgcaga atcaagcgac tctttcttca gaagcagtct 240
caactgcagg cctattttta tcagatgcag atagcagaga gtcctaccc acagccaagt 300
cagcag 306

<210> 256

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (862)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (881)

<223> n equals a,t,g, or c

<400> 256

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ggctgtgggg tggaatgagc tggaaggccg tgatgccatc ttcaagcagt ttcatttcaa 180
agacttcaac agggcctttg gggtcatgac aagagtggcc ctgcaggctg agaaactgga 240
ccaccatcct gaatggttta acgtgtacaa caagggtccac atcacgctga gcacccatga 300
gtgtgccggc ctttcagaac gggacataaa cctggccagc ttcacgaac aagtagcagt 360
gtccatgaca tagacctgc cttcctctt tgaattcttc cgggggaaaag ggtgactgaa 420
ctgggagtcc agggaggagg ctgaggagcc cttacctcc caccactccc ctccaagac 480
ccagccgccc cgtttgagg ctgagtcctt gctgtgggat gtgccagtgt cccaccaaac 540
accaggaatt tagacctttt ccctgcacca ctctcttcat cctgggggct ctgttacact 600
aatttgaata aactctcccc tttctttgca acttcccagc aacaataatg attttcttgc 660
caggccgtct cttgtccctt aattcatttc ccaggaagct gtgatacagg gtgaaataaa 720
gtcttgtctt agaaaccagg accctaaacc ccacactatg taatagaaac acatgtgttt 780
ttatgtctca aataaaacta ttatatcact tggaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaagaaat naaaaaaaaa 890
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<210> 257

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 257

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ggagctacga gtagccgccc agangccgcg garccagcga cgaccgaccc agccgagccg 120
ccgccgccgc cgcgccccca tggcggccgc caaggacact catgaggacc atgatacttc 180
cactgagaat acagacgagt ccaacatga ccctcagttt gagccaatag tttctcttcc 240
tgagcaagaa attaaaacac tgaagaaga tgaagaggaa ctttttaaaa tgcgggcaaa 300
actgttccga tttgcctctg agaacgatct ccagaaatgg aaggagcgag gcaactggtga 360
cgtcaagctc ctgaagcaca aggagaaagg ggccatccgc ctctcatgc ggagggacaa 420
gacctgaag atctgtgcc accactacat cacgccgatg atggagctga agcccaacgc 480
aggtagcgac cgtgcctggg tctggaacac ccacgctgac ttcgccgacg agtgccccaa 540
gccagagctg ctggccatcc gcttcttgaa tgtgagaat gcacagaaat tcaaaaacaa 600
gtttgaagaa tgacggaaa agatcgaaga gagagaaaag aaagcaggat caggcaaaaa 660
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ttttacaagg gacgttatat aaagaactga actcaacatt cagggtgttt tttttttgt 900
ttctaagttt ttgccctatt gaagatgact tcagaaaatc cattccccag tcatgaaaat 960
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gtactgtgct aactttcttt tccatagtgg aaacacttat ttatagtcac caaaaatagt 1020
gaataaaaaa cacatttgga acctggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggggggggac ggacgcgtgg gcggacgcgt 1140
gggcggacgc gtgggtcga 1159

<210> 258

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (755)

<223> n equals a,t,g, or c

<400> 258

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cttactgttg gtggcaaaat tgccaacata agttaataga aagttggcca atttcacccc 120
attttctgtg gtttgggctc cacattgcaa tgttcaatgc cacgtgctgc tgacaccgac 180
cggagtacta gccagcacia aaggcagggt agcctgaatt gctttctgct ctttacattt 240
cttttaaaat aagcatttag tgctcagtc ctactgagta ctctttctct cccctcctct 300
gaatttaatt ctttcaactt gcaatttgca aggattacac atttcactgt gatgtatatt 360
gtgttgcaaa aaaaaaaaaa gtgtctttgt ttaaaattac ttggtttggt aatccatctt 420
gctttttccc cattggaact agtcattaac ccctctctga actggtagaa aaacatctga 480
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gacagcctgt ttctatcctg ttaataaaat tagtttgggt tctctacatg cataacaaac 600
cctgtcccaa tctgtcacat aaaagtctgt gacttgaagt ttagtcagca cccccaccaa 660
actttatttt tctatgtgtt ttttgcaaca tatgagtgtt ttgaaaataa agtaccatg 720
tctttattag aaaaaaaaaa aaaaaaaaaa aaan 755

<210> 259

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<400> 259

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ctatctttta acatttatct gtgaagtgc aaatggccta cagctgtgag agcaaatgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgttttg ctctggctga tgctgggtac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300

acctgggtag agtgggtgaa agaaatggtt gccaaactggg acagcctaag aagtggctct 360
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaaca 420
gatcaaaact atgaaaagat gatgtttaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
ttccggttta ttgaagtcca gacacttctc ctccgtccat tctgtccaca tttgtgtgag 600
gcacatctgg gacactcctg gggaaaagcct gacttcaatt atggaatgst ttcattgggc 660
tgtngmagg gtcctgttta atggaagttt ttaattacac tccntcacag tate 714

<210> 260

<211> 525

<212> DNA

<213> Homo sapiens

<400> 260

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tggtggttac cagatctgca cgggctaagg ccagcatcca agccgcgtcg gctgaaagtt 120
ccgggcaaaa gagttttgct gctaattgga ttcaagcgca tccagaaagt agtactggat 180
ctgatgcccg aactactgct gaatcacaga ccaactggga gcaaagttta atccctagaa 240
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ataccatttt aagggttaact aggagaaggc agatcttaat tgcagtgtcc ccagtgtcca 420
gtgttaggaa aaagccgaaa gtaactccaa caaaggagtc ttacactgaa gaaatagtgt 480
ctgaagcaga atctcatgtt tcaggatatt cttaggaattg tgctt 525

<210> 261

<211> 3000

<212> DNA

<213> Homo sapiens

<400> 261

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tcgcgaggcc gcagcctgag gagattccca acctgctgag catccgcaca cccactcagg 180
agttggggcc cagctcccgag ttactttggt ttcccttggt cagcctgggg ctctgccag 240
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aatagcaaga caggcaaagt ggacaacatc caggctgggg agttaacaga aggtatctgg 420
cgccgtgttg ctctgggcca tggacttaaa ctgcttaca agaattggcca tgtctacaag 480
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<210> 262

<211> 966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (935)

<223> n equals a,t,g, or c

<400> 262

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tccagtatct tatgacaaca cagtaaatta taccactccc aaatgcaaaa gctgaaacta 180
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gtgtgtgtgt ttgctttaag gaagctgttt tggtaataaa aagtcactgr aggtcataaa 420
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cttcatcgca tgtcctgggt ggggtgggta ggganccagt taaaaaaccc ccctggggtc 960
atgttc 966

<210> 263

<211> 2738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<400> 263

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catgctgaag ccttttctcg tcctttgagt cggaatgaag ttgttggttt aattttccgt 120
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cagccatgtg ctcaacactg atttcacctc ttgagtataa actttttaaa tttaaattgg 1920

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ttatgcttca tatgtttttg cttttactgt atttctttaa aaactctaaa tctttattca 2460
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tcttcagttg tactttgaat ggtggggtgg aagtttcagg tgaacaatgg ataacaaaaa 2580
gcaagtatg gaagattgtg aagaggatgg aaaaactgaa tacaagatac caaaaatgaa 2640
aaaaagtgtc ccatttttaa taactatatt ctattatttt ataaatgtgt aataaagggg 2700
tccctcttta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2738
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<210> 264

<211> 1520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<400> 264

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ttccagtgtc ctctgggtgt ttccaagagc aacaagaaac gaataaatct ctgacccttc 180
tcaggtgcag ccagagagac actagccac tgatggaygg acagacgtgg gcaggggccg 240
tgtactaaa cccccacca ctgccacagc tgcctacaac agacacatca gatgacactc 300
cgggcaaata aatgatattc actgaggact tactggtttt aataataggt cctgggtgtg 360
agaagtccct caacctattg tgcaatgagt tttgagaagc gggtaaagctg tatgttttgt 420
ggttytggtt cataaatkca tctacaggaa gaccaatatt gactgaatga agctttcatt 480
taaagagcta aaatatgctt tgtgttttta tatgtggata ctactttaaa cctaacgact 540
attcattgta tcatagcttg tgatgtatc tgcctcayggc ttttaaggta aattgtgcca 600
tgatccactg ccattctaatt tgccttaaca agtcattacc aactactgt tacatcttaa 660
ttatgcatac agacaggtag acttrtttta catatgtgaa ctaactagtt gtcaaagcaa 720
atgcagattg tattctgcaa gtaaagtcct tttctctctg aaatttctag ggatgttctt 780
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tcttttgtga ttcaaacata gtcaagagta caactgtgat atttcatgga agttatgcaa 900
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taaaatgtct ctaacctgcg aamaaatctr tcaagcagac gkcacagtac tgaatttgaa 960
accagaaata ctgggttttt atataaatgc ttcataagatt tgttttatga taaagggcac 1020
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gatgccttag ctattattaa actcttacag tatgatgtaa agtgaaagta caatgtaaga 1140
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caaggataat atcaaagcaa acaccagaaa gttatatctt tgatgcattt tttcaaaatc 1260
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aactttattt aagctggaag ttaatgtctc attgttttca ttgttctaaa taaacacctt 1440
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aaaaaaaaaa aaaaaaaagg 1520

<210> 265

<211> 1568

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1502)

<223> n equals a,t,g, or c

<400> 265

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ctgctggact agctactgcc agttgtccta tcaactgtctc ttctgtagtt gctgccagtc 120
agcaactgtg tgtcactaat acccggaact cttcatcagt cagaaagcag ttgtttgcct 180
gtgtgcctaa gacaagtcc tccagcaacag tgatttcttc tgtgacaagc acttgtagtt 240
ccctgccttc tgtctcctct gcacctatca ctagcgggca agctcccacc acatttctac 300
ctgcaagtac ttctcaagca cagctttctt cacaaaagat ggagtctttc tctgctgtgc 360
caccaccaa agagaaagtg tccacacagg accagcccat ggcaaacctt tgtaccccat 420
cttcaactgc aaacagtgtc agtagctctg ccagcaacac cccgggagct ccagaaactc 480

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accatccag tagtccact cctacttcca gtaacacaca agaggaggca cagccatcca 540
gtgtgtctga ttttaagtcc atgtcaatgc cttttgcac taactcagaa cctgctccat 600
tgactttgac atcaccacaga atgggttctg ctgataatca ggacaccagt aatttacctc 660
agtttagctg accagcacct cgagtttctc atcgaatgca gccagagggt tctttttact 720
ccatggtacc aaatgcaact attcaccagg atccccagtc tatttttggt acgaatccag 780
ttactttaac accacctcaa ggcccaccag ctgcagtgc gtttcttcag ctgtgaacat 840
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cccagccaca cttttcaatc acttcagcag tctttttgat agtagtcagg tgccagctaa 960
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ttccggcata ccaggaacaa gggttttctt gcaagggcc gctcctggtt ggactcctag 1260
tttcaacaga caacattttt ctccccatcc ttggacaagc gcctcaaact catgtgantn 1320
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caacgttggg gccaaacaaa agggagtcag tgccagtcaa ggattcggaa aggttacctt 1440
cccccaattg gggaacagga ggagactng ggcccgaatt tngggcaagg gaggggggtt 1500
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agtgggga 1568
```

<210> 266

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<400> 266

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gctgttgagg cttttgcaaa taccagcta atgaaaggca cttaagattg ggcccatctg 120
catcatcaca ttgaagtttt ctgtctaaag gaagggtcca gctacctgtt acccttttgc 180
taaacacagt tgcaagtgtg cagtgtattt catgacaaaa gtgcactcta gttttctgtg 240
aaatgattat tttctctgaa atgattcttg gtcagtgtga gcttctaaat gttaaagaga 300
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acatagtgct tttgacctgt gggaaatctc atcttggnnta ccatgggtgct gcacagacca 360
tcaggaagaa ctgaaaagtt caggcaactt gagnaataa aagtcaccac cmgcaaggar 420
gctgtctaaa ataaccggra gattattamc ccagcacgtg gragartgtg ctagtgggta 480
gatgttwtgg aargctacta ggggtccncc cttaggtgcc tgtgctagtc ctaagggggn 540
ggtgg 545

<210> 267

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<400> 267

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aaggagctcg cggtggcac agagagccag gccttggtct ccgccactcc ccgagaagac 120
tttcgggtgc gctgcactgc gaagcgggct gtgaccgaaa tgctacaact gtgcggccgc 180
ttcgtgcaaa agctcgggga cgctctgccg gaggagattc gggagcccgc tctgcgagat 240
gcgcagtggg cttttgaatc agctgtgcaa gagaatatca gcattaatgg gcaagcatgg 300
caggaagctt cagataattg ttttatggat tctgacatca aagtacttga agatcagttt 360
gatgaaatca tagtagatat agccacaaaa cgtaagcagt atcccagaaa gatcctggaa 420
tgtgtcatca aaaccataaa agcaaaaacaa gaaattctga agcagtacca ccctgttgta 480
catccactgg acctaaaata tgaccctgat ccagtccttg cctgcattaa ttgaacaagg 540
agagggattt tcccaagttc tcaggatgca acctgggtatc caccttcaga ggattcacca 600
agaagtcttt ttcagttgtc ataaggaaac cagatgctwa acctgagact ttatwacaca 660
gattgaaacc acaccaacag aaactggttt caggaaaaac cttttacgtg gnacttgaaa 720
aagaaagcaa acttaaagan ttggccccc aaagaaaaat gg 762

<210> 268

<211> 1433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<400> 268

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gcgaggccct ccgtagtgat ctggccttta ctttctcccc gagtcacggg aagccctcgt 60
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catggaacag gacgtgtcgg ggccgctgct ggggaaagca gccgggcccc cagatgctgg 180
agcgggagca ggccccgggc ccccgagac cctccgcggc accgcccgt cttgtgcctt 240
tcccggcgtg gctcaccgcc tcaccatctc ggggtgtctt taggagaatc cttcatgcag 300
ctgcagcagc gtctcctgag agagaaggag gccaaagatca ggaaggcctt ggacaggctt 360
cgcaagaaga ggcacctgct ccgcccggcag cggacgaggc gggagttccc cgtgatctcc 420
gtggtggggt acaccaactg cggaaagacc acgctgatca aggcactgac gggcgatgcc 480
gccatccagc cacgggacca gctgtttgcc acgctggacg tcacggccca cgcgggcacg 540
ctgccctcac gcatgaccgt cctgtacgtg gacaccatcg gcttcctctc ccagctgccg 600
cacggcctca tcgagtcctt ctccgccacc ctggaagacg tggccactc ggatctcatc 660
ttgcacgtga gggacgtcag ccaccccgag gcggagctcc agaaatgcag cgttctgtcc 720
acgctgcgtg gcctgcagct gcccgccccg ctctggact ccatggtgga ggttcacaac 780
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cgccacaga ggcctgcggg gtgggggcat cgctgcctgg ggagctgagg cgttaccgct 1140
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ccaaagcggg ccgcccgagc gtccactcca agcctgagca tccacacaat tccagtgggc 1320
cctcgtgcc tgctgtgaac tgctttccct cggaatgttt ccgtaacagg acattaaacc 1380
tttgwtttta cttccgtgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggg 1433
```

<210> 269

<211> 2278

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2277)

<223> n equals a,t,g, or c

<400> 269

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cacagtatgg aaatacgggg aagcaggaga tagatccgga aaaataaagt tgagaccaga 60
ctgtagactg tcttgaatgc caagctaaag tgtttatact ttattcagta aataaacaaa 120
actggtagcg caagaaaagg agtgagcaag tggtaacaac ttaaagacaa ttcattttgc 180
tcccacgtgt tatatcatga atttnttggg cccaaagtca tatatagaat tttttaaata 240
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attgatactt gattaaagaa agcacaaaga cataaaaaata aaacattcctt ggtgggggga 300
aatggttttt aagaggcatt ttattaattt taccncaggt atatttgccc tgtgttttac 360
aaacaaaaar gaggtatgtg gggtacatgt atgaaacact ggatcagaag gacccagtat 420
ttgatgcaaa aggaatagaa acagtcagaa gagattcctg ccctgctgtt tctaagatac 480
ttgagcgctt tctaaagctg ctatttgaaa cgagagatat aagtctaatt aaacagtatg 540
ttcagcgaca atgtatgaag cttctggaag gaaaggccag catacaagac tttatctttg 600
ccaaggaata cagaggaagt tttctttata aaccaggagc ttgtgtgcca gcccttgaac 660
ttacaaggaa aatgctgact tatgaccggc gctctgagcc tcaggttggg gagcgagtgc 720
catagctcat cttttatggg acccccggag taccacttat ccagcttgta aggcgcccag 780
tggaagtccct gcaggaccca actctgagac tgaatgctac ttactatatt accaagcaaa 840
tccttccacc cttggcaaga atcttctcac ttattggtat tgatgtcttc agctgggtat 900
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aaggcactat ttcacaatat tttactacct tacactgtcc tgtgtgtgat gacctaac 1020
agcattggcat ctgtagttaa tgcggagcc aacctcagca trttgcagtc atcctcaacc 1080
aagaaatccg sgagttggaa cgtcaacagg agcaacttgt aaagatatgc aagaactgta 1140
caggttgctt tgatcgacac atcccatgtg tttctctgaa ctgcccagta cttttcaaac 1200
tctcccgagt aaataagaaa ttgtccaagg caccatatct ccggcagtta ttagaccagt 1260
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ccttgaactg tctgtatcaa gacgtgttac ttcgagatat ccattcactt tataattttt 1680
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aaattttatt ccatttgctt gttttgtata gacatttcta ttgcttctaa atatacttaa 2040
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aatgtgtatt tagaatatt gtataactgt gtaaaataaa aaaggaatta tgtgggtcagt 2160
gcattgtttt ttaaaactgga aatcattttg ttttaaaagt taataatgga aaccatatta 2220
aaattgaata aaatataaaa taatataaaa aaaaaaaaaa aaaaaaaaaa aaaattnc 2278

<210> 270

<211> 2533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2531)

<223> n equals a,t,g, or c

<400> 270

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ggtctgtcct cgggaactgc aaggccctgt gagcgggagg actgggatcc cggccgcggc 120
tgctggaagc gtcgaagctc agcggggccg cggacactga cctgtgctta gaactcatcc 180
tggcccgcag agcctgccgc gagtccctgg cgtccctctg ggcgggctct tggagccact 240
ttcccgcagc gaagtcagcc cgcggctcgg actccggcgg gacctgctcg gaggaatggc 300
gccgccgggt tcaagcactg tcttcctggt ggcctgaca atcatagcca gcacctgggc 360
tctgacgccc actcactacc tcaccaagca tgacgtggag agactaaaag cctcgctgga 420
tcgccccttc acaaatattg aatctgcctt ctactccatc gtgggactca gcagccttgg 480
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caatgtggat tccctcttct acgctgcccc ggccagccag gccctctcag gatgtgagat 600
ctctatttca aatgagacca aagatctgct tctggcagct gtcagtgaag actcatctgt 660
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ctgcataat cgtaccacg tgccagttgt ggttgtgcct gagggctctg cttccgacac 1140
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caagggcaca ttcacgcag acagccacca gaacttcgcc ttgttcttcc agctggtaga 1560
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ctgaatgtca agaaaaggag tcaagaacaa ttcacagtat gagaagaaaa atggaaaaaa 2280
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taattgtttt ggaataaaga gggtaacaat aggaaaaaaa aaaaaaaaaa aacncgaggg 2520
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<210> 271

<211> 1618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<400> 271

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tctttatagc cagaacaac ttagtcatca aatagcaagt gaaacaaaa cgtcagaggg 120
attactgtac ttggaagtat gttgtgtgtc ccaaatgtga acgaagtatt gttagaattt 180
attagatcag cttctttgga gatcaaagat tggaaatcct agtcatagat attcactgga 240
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tcccaaaata ttttctttaa rgtcagcaca gtactgtata tgaatcttta atgtggtatc 360
atatatgtct acttttgtct gattcatcga tgtattatat ctttataatt gaatatttta 420
gctccgggtc ctgttgcccc ttcaagcagt acatgccaaa ttataaatag gtgctactgg 480
ccttgagcat atcactgtgg gacagttccc caattgtcaa gtgtttagat atgtagacta 540
ttgccatttg ttttttgtt ttggttttgc tttgtgtctg aagctgaatt gatttctttt 600
ttttgaatgt gaaagtggaa tttcaaactg agtcatttct tacagatggc caagacagaa 660
aattgtggct aggttgactg agaactgttg tcttccatgt attaacacaa ttaagctttt 720
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cttctgcttc cattaaagaa gaactgtgat attcaacatt ggatttctga gaataaagat 840
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<210> 272

<211> 470

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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<220>
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<223> n equals a,t,g, or c

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<210> 273
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (879)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (915)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (930)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (967)
<223> n equals a,t,g, or c

<400> 273
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<210> 274

<211> 2006

<212> DNA

<213> Homo sapiens

<400> 274

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<210> 275

<211> 1376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1368)

<223> n equals a,t,g, or c

<400> 275

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<210> 276

<211> 2594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2198)

<223> n equals a,t,g, or c

<400> 276

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<210> 277

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 277

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<210> 278

<211> 1478

<212> DNA

<213> Homo sapiens

<400> 278

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<210> 279

<211> 2321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 279

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gctcttctgt tttaaagggt tgaatcacca gcattttgt gatcaaaatc ctatttagaa 2280
aaaataaaac tactttctgt ttatctcttt agaaaaaaa a 2321
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<210> 280

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 280

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atctcggggc ccagaccagt cgattgggag gtccgcccct cccttcagcg acttggctctg 180
tgttttgga gttgccgcn acaacagtca cttccgggaa ggggctctgc gaatctcctt 240
ccgtcgggtc gtcagaatc agctgtcctc tcagactgtg tgggtgggtt ccccgccgc 300
agctccgtac gggcttggat tgctgggect cgggtgcacc cagcctcccc cactcgggtt 360
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tccgggagcg agtgccgttt ccccgcctca ccgcgggcta gggagcgttg gattccggac 480
tgtgagcggc tgtagtgcg tcgcagctgc tggcgatccg gcgacctcg gccggcagga 540
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aagaagcttt cagactacgt ggggaagaat gaaaaaacca aaattatcgc caagattcag 1260
caaaggggac agggagctcc agcccagag cctattatta gcagtgagga gcagaagcag 1320
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ctgatgctgt actatcacag aagacaagag gagctcaaga gattggaaga aaatgatgat 1380
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ccctctgtaa aagatgttaa catttctagt tttcttttag tgtgaatttt taaaatagca 1620
gttattcaag gttttagaac ttaataaata cctagtcaga aaaaaatgtg taaatcgttt 1680
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<210> 281

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 281

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gctnccggca cccatgggcc cagtgccttg gaatggagac ggccagttct ggggccagat 120
gtggtgctct ggaatccagt cccatttctt tcctggccac gagctgtccc agcggcctct 180
tcagccgcat tcagccccta cttacctggg gaccccggt ggggcacgag aagcaccagg 240
ggggttaggg cccaaagg 258

<210> 282

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1764)

<223> n equals a,t,g, or c

<400> 282

gctgtgtcct ggagctttat ttggggagtt tyayccagaa tgggtgggaga aacctcccg 60
gtgccaggta cccgcacatg tgacccttca cttggtgtct taggaagtca agctgaggga 120
tgctgagtcc tcccctgtcg gccctgcag cccagccct gcttttcac cccacccct 180
gcaaacatgg aggagcccc tccttctcac ctcggtctcc tagccctga catggagaas 240
cctgagacaa gccacagaac cctcttttc taaaatggag acaataattt cctacctccc 300
aagggagcag agaggcctcg tggcacgtcc gtggccaggg agccactgt cctggtggc 360
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aaaaraaaag aaaaatataa tkgtttgatt tttgagattw aaacaaacma aaagagaggc 1740
attttcmaa tttcagaact ttcn 1764

<210> 283

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (760)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<400> 283

aattcggcac gagtcagagg ccgagtcctg cactggaagc cgagaggaga ggacagctgg 60
ttgtgggaga gttccccgc ctcagactcc tggttttttc caggagacac actgagctga 120
gactcacttt tctcttctcg aatttgaacc accgtttcca tcgtctcgta gtccgacgcc 180
tggggcgatg gatccgttta cggagaaact gctggagcga acccgtgcc a ggcgagagaa 240
tcttcagaga aaaaatggctg agaggccac agcagctcca aggtctatga ctcatgctaa 300
gcgagctaga cagccacttt cagaagcaag taaccagcag cccctctctg gtggtgaaga 360
gaaatcttgt acaaaacat cgccatcaaa aaaacgctgt tctgacaaca ctgaagtaga 420
agtttctaac ttggaaaata aacaaccagt tgagtcgaca tctgaaaaat cttgttctcc 480
aagtcctgtg tctcctcagg tgcagccaca agcagcagat accatcagtg attctgttgc 540

tgtccccggca tcaactgctgg gcatgaggag agggctgaac tcaagattgg aagcaactgc 600
agcctyctca gttaaaacac gtatgcaaaa acttgacagag caacggcgcc gttgggataa 660
tgatgatatg acagatgaca ttcctgaaag ctcactcttc tcaccaatgc catcagagga 720
aaaggytgct ttcccttccc agacctctgn ttttcaaaan gccttcgna acttccagtt 780
ggccaaaaaa ggggcccgt 799

<210> 284

<211> 1489

<212> DNA

<213> Homo sapiens

<400> 284

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atagattggt tcaattttag acaaacatga agggaagaac atcaagaaaa cttctcccca 120
ctcttgatca gaatttccag gtggcctacc cagactactg cccgctcctg atcatgacag 180
atgcctccct ggtagatttg aataccagga tggagaagaa aatgaaaatg gagaatttca 240
ggccaaatat tgtggtgacc ggctgtgatg cttttgagga ggatacctgg gatgaactcc 300
taattggtag tgtagaagtg aaaaaggtaa tggcatgccc caggtgtatt ttgacaacgg 360
tggaccaga cactggagtc atagacagga aacagccact ggacaccctg aagagctacc 420
gcctgtktga tccttctgag agggaattgt acaagtgtgc tccacttttt gggatctatt 480
attcagtggg aaaaattgga agcctgagag ttggtgaccc tgtgtatcgg atggtgtagt 540
gatgagtgat ggatccacta ggggtgatat gcttcagcaa ccaggaggga ttgactgaga 600
tcttaacaac agcagcaacg atacatcagc aaatccttat tatccagcct tcaactatct 660
ttaccctgga aaacaatctc gatttttgac ttttcaaagt tgtgtatgct ccagggttaat 720
gcaaggaaaag tattagaggg gggaatatga aagtatatat ataaatttta ggtactgaag 780
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cactgaaata gtatgtggat gaattcacct acttacaatt ttatggtttc tttgtaaata 1440
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<210> 285

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

<400> 285

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agcatttttt atcaggcagg accagggtggc acttccacct ccagcctctg gtccctacaa 120

tggattcatg gagtagcctg gactgtttca tagttttcta aatgtacaaa ttcttatagg 180
ctagacttag attcattaac tcaaattcaa tgcttctatc agactcagtt ttttgtaact 240
aatagatttt tttttccact tttgttctac tccttcccta atagcttttt aaaaaaatct 300
ccccagtaga gaaacatttg gaaaagacag aaaactaaaa aggaagaaaa aagatcccta 360
ttagatacac ttcttaaata caatcacatt aacattttga gctatttcct tccagccttt 420
ttagggcaga ttttggttg tttttacata gttgagattg tactgttcat acagttttat 480
accctttttc atttaacttt ataacttaaa tattgtctta tgtagtata agcttttcac 540
aaacattagt atagtctccc ttttataatt aatgtttgtg ggtatttctt ggcatgcac 600
tttaattcct tatcctagcc tttgggcaca attccygtgc ttcaaaatga gagtgacggc 660
tgggcatggt gggtcccg cgtgaaatcc cagtnacttg gg 702

<210> 286

<211> 1175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<400> 286

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ccccgggctg caggaatggt actatttcta catgttggtc atgatgtgac tttcgtaaac 120
cttcaaaatt atttgggcat agtgctctat gtttaataaa ggtttttata gatgttttat 180
tccatatgtc ttcacaagtc aggaccaca attaccctgt ttttgtttga acagcagtg 240
cccatctggc ttcgacccaa caaagttcat taacctgga tgaatggggg tggcctgttg 300
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aacaacactt gacaggctgt tgcacagggc ttctatagat cagtgtgtta ggaatgggag 420
gccccctcct gcctgccttc ccatattggt cccttgacat tgacaaaagc acagtgactg 480
tcagcagatt cctttacttt tgtttggtgg aggtaggaat tgttttaatg cattttaaac 540
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agtaatgttt gagaattact ggggttaaatt gtgggaaagg gtccagattt taaagggtgt 720
ttaaggttgc cctctgccga tactgtttgt ctttctactg tttcatcccc taacttcccc 780
caaccctcaa attaaaaacta gaactataga tccacatgaa cgcacgcctg agatttgcc 840
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tcatgtaatt agttttgctc accactagta cagatgaccc gtttacacgt ggcttccctc 960
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<210> 287

<211> 2873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2870)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2871)

<223> n equals a,t,g, or c

<400> 287

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tgcaggtcct aaacgacaaa aatgtcagca atgaaaaaaa tacagaaaat tgcgacttcc 180
tgttttcgcc accagaagtt accggaagat cgtctgttct tcgtgtgtca cagaaagaaa 240
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aagacccttg caggacagag tcccagcaca aagcggagay tccgcacgga gccgaggaa 780
aatgcaaagc ggagactccg cacggagccg aggaggaatg ccggcacgnt ggggtctgtg 840
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<210> 288

<211> 2104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1323)

<223> n equals a,t,g, or c

<400> 288

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gtaaggggtg ctgtgcgact gcggccattt gtggatggaa cagcgggagc aagtgatccc 180
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cgctcctga cgcgtctctc ctactccgc cttttcaaat tttgtataa cccgtgttg 2040
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aaaa                                           2104
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<210> 289

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<400> 289

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gacttccggtt tccagttacc aaggcacgag gatccggtgt tccaacccag ggggaaaaat 180
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<210> 290

<211> 1591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 290

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ttgtttacat tatgttctag actggccccc tgaatctcca gacaaccaat atcacttaaa 180
taagtgatag tcttaatact agtttttaga ctagtcatgt gagaacagat gattgatgtc 240
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<210> 291

<211> 2386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 291

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aaatgcatct cagacatttg atgacctccc tgcaagattt gggttatagac ttccagctga 360
aggtttaaag ggttttttga ttaactcaaa accagagaat gcctgtgaac ccatagtgcc 420
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gtaattttga tataaagggt ttaaatgcac agagagcagg atacaaggca gccatagttc 540
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aaattgacat tccatctgtc tttattgggt aatcatcagc taattctctg aaagatgaat 660
tcacatatga aaaagggggc caccttatct tagttccaga atttagtctt cctttggaat 720

actaccta at tcccttcctt atcatagtgg gcatctgtct catcttgata gtcattttca 780
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gctaaattat acatcattgt aactatgtag aaagtgtaga ctaatgtata atcaaaatgc 2280
taaggatttt tatatggcct tgtatgaggg gagtttgaat gtaataaac atgtttttcca 2340
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<210> 292

<211> 983

<212> DNA

<213> Homo sapiens

<400> 292

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gcttgtgggg tcttaggtga tggctgcctt ctttcttcat caccacaccc agcttcttgc 180
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983

<210> 293

<211> 2655

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2595)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2651)

<223> n equals a,t,g, or c

<400> 293

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aaagactggc aatcagaaac catagagtat aaagatgac aggacatgca tgctttaggg 180
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<210> 294

<211> 1738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (854)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1679)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1729)

<223> n equals a,t,g, or c

<400> 294

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caaccatgat gcaattgtag ttcgaaagat ggctatctca gctggtgctg gtatccctaa 180
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<210> 295

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 295

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ctgctgttcc ctccsgtgag agcacgtcca gctgcacccg gaggcgatg gctgccaaca 180
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cctggacccc aggatcagca ttgcctggtg caagcggttc aggggtgccag tggagaagat 840
ctacagcaaa acacagcggg agaggttcgc ctgggctctc gccatggcag gagaagactt 900
tgaattctaa cgacgagccg tgttgaaact tcttttgtat gtgtgtgtgt ttttttact 960
attaagcag tactggggaa ttttgtacaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
```

<210> 296

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 296

```
tcgacccacg cgtccgaatt tttttctcag aatagcaata gcttatccaa agaaagctag 60
tgtacatctt ccaaagcttt taaaataaaa aagaggagga gttacacttg cagaatgtat 120
atcttctggg atgcttctcc ctactccact ggacactggt tgaaagtttg tagtttataa 180
tattcttacc taggtgtgt tggtcagctt agaatatcta agtgatagga taaaactaaa 240
gctgagtggc aaactgccag tctatatact gcatttagtc tataggctgt tttgtttggc 300
ccacaaagca ttttattatt taagtttatg ccaacattta agaatcaaga atttcccaga 360
cattcagatt tctgacttca attgaaaatc tgacagtata aaccctatta tattcctgca 420
tggcataaaa tcttcagttg ctgaatggtg atatccactt ttagaaagag tactctaccc 480
tgttctgcat tcatacaacc taagccaacc cgcccttcac catcccactt ctctttcagg 540
ttatctgctt aggtggttag gcatttgtgt ttataaacct tgaactcaag ctgctagatg 600
gtcagttgca ttgtgaactg aactatctga atgatttttc attgtaaaata tatagctatn 660
ggaccacttt aaatnccct ttct 684
```

<210> 297

<211> 1838

<212> DNA

<213> Homo sapiens

<400> 297

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ccggcggtggg tccgggcaag aaccgcttgt rgtttggtt aaattctgca cgggaggacc 60
ttctgagttt acctgttggg ctcttggtg cgcaggcaca gcagctacac agaagagatg 120
ggagaagagg ctaatgatga caagaagcca accactaaat ttgaactaga gcgagaaaca 180
gaacttcgct ttgaggtgga ggcatctcag tcagttcagt tggagttgtt gactggcatg 240
gcagagatct ttggcacaga gctgacccga aacaagaaat tcacctttga tgctggtgcc 300
aaggtggctg ttttcacttg gcatggctgt tctgtgcaac tgagcggccg cactgaggtg 360
gcttatgtct ccaaggacac tcctatgttg ctttacctca acactcacac agccttgaa 420
cagatgcgga ggcaagcggg aaaggaagaa gagcagggtc cccgagtgat ggtagtgggc 480
cccactgatg tgggcaagtc tacagtgtgt cgccttctgc tcaactacgc agtgcgtttg 540
ggcgcgcgtc ccacttatgt ggagctggat tggggccagg gttctgtgtc catccctggt 600
accatggggg ccctctacat cgagcggcct gcagatgtcg aagaggggtt ctctatccag 660
gcccctctgg tgtatcattt tgggtccacc actcctggca ctaacatcaa gctttataat 720
aagattacat ctctgttagc agatgtgttc aaccaaagg gtgaggtgaa ccgaaggcat 780
ctgtgagtg ctgtgtcatt aacacctgtg gctgggtcaa gggctctggt taccaggctc 840
tgggtgcatg agcctcagct tttgaggtgg atgtcgttgt tgttctggat caagaacgac 900
tgtacaatga actgaaacgg gactcccca cttgtacgc actgtgctgc tccctaaatc 960
tgggggtgtg gtkgagcgt ccaaggactt ccggcgggaa tgtagggatg agcgtatccg 1020
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agatgtgaaa atctacaaag ttggggcacc caccatccca gactcctgtt tacctttggg 1140
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gcaccaccta ctgagtgtta gactgmca gggtagagag gagaacctgt ccgagacaag 1260
tgtagctggc ttcattgtgg tgaccagtgt ggacctggag catcaggtgt ttactgttct 1320
gtctccagcc cctcggccac tgcctaagaa cttccttctc atcatggata tccggttcat 1380
ggatctgaag tagagatcag caggaagcct tgcgcctgg gacatagaga tcatctggcc 1440
accctagag gcagatgggc tgagataaaa gactgttggg gccacctgac cagtaaaactg 1500
tggtactagta gaaagtccat attctacct taaaaacagg tagtggtaac ctgactcttc 1560
taatcttgaa ccaaaaggaa aaccatgaga ctgtaattgg tttcttagac cacctaagat 1620
gccactttga attctctaag accctggaga attgcatttc tttcactgtg ctactatgtg 1680
gtttttaaaa aatcaatgct ttatattcca tatgtggttc ttaccattt atctaggatg 1740
aaagtgtgaa ttgaggggac tccttccaat aaagttcaaa cttaaaaaaa atcattttaa 1800
taaataattt tgccatatca taaaaaaaa aaaaaaaa 1838
```

<210> 298

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

<400> 298

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gcggaagtgc ttcgcggcgg aggcccgggc aactcctttg aatggaatcg ggctgattca 60
tcgccggttt gcagactgag ccgcgtcggg tgtgcgccgc tgctgctgtt gcctctgtct 120
tcgcgtcacc acagaggcaa gacaagggtc catatcgcgg catccggctc ccgcccgctc 180
tcaggagaga aagaaaaaat aaaatatact tggggaagtt gtacctgcca gaattagcaa 240
gagctttctt taagaagaca tttgtcaaac tcaacaaatt gaaggttaac accttaagag 300
ttgtagttac tgaccagaaa tatggacaga cttcttagac ttggaggagg tatgcctgga 360
ctgggccagg ggccacctac agatgctcct gcagtggaca cagcagaaca agtctatatc 420
tcttccctgg cactgttaaa aatgttaaaa catggccgtg ctggagttcc aatggaagtt 480
atgggtttga tgcttgga ga attgttgat gattataccg tcagagtgat tgatgtgttt 540
gctatgccac agtcaggaa aggtgtcagt gtggaggcag ttgatccagt gttccaagct 600
aaaatgttgg atatgttgaa gcagacagga aggccggaga tggttgttgg ttggtatcac 660
agtcaccctg gctttggtt ttggctttct ggtgtggata tcaacactca gcagagcttt 720
gaagccttgt cggagagagc tgtggcagtg gttgtggatc ccattcagag tgtaaaagga 780
aaggttgtta ttgatgcctt cagattgatc aatgctaata tgatggctctt aggacatgaa 840
ccaagacaaa caacttcgaa tctgggtcac ttaaacaagc catctatcca ggcattaatt 900
catggactaa acagacatta ttactccatt actattaact atcggaaaaa tgaactggaa 960
cagaagatgt tgctaaattt gcataagaag agttggatgg aaggtttgac acttcaggac 1020
tacagtgaac attgtaaa caatgaatca gtggtaaaa agatgttgga attagccaag 1080
aattacaata aggtgtga agaagaagat aagatgacac ctgaacagct ggcaataaag 1140
aatgttggca agcaggaccc caaacgtcat ttggaggaa atgtggatgt acttatgacc 1200
tcaaataattg tccagtgtt agcagctatg ttggatactg tcgtatttaa ataaagcaac 1260
gaaaaacgct attaatgatg ccttcagtgt atattcctct gttgttccta atgctcaaaa 1320
tcaagggacc tctgaaggtg tacttggtta aatgtaagac atctggcatc atttgacagc 1380
ctgtaacacc ttcagtctca gttgtgcaat tacttctgtt tctttagtca gggctctttg 1440
agattctaaa gttatacatg aatacatcaa agtggacaaa ttttgtttaag atcccattta 1500
atatttgaaa aaatcagtag cacaaatata ttttgattgt cacttacaaa ataaaaata 1560
tttacagtcw aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaana aaaaaaaaaa 1620
aaaaaaaaaa aaan 1635
```

<210> 299

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (790)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (857)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (860)

<223> n equals a,t,g, or c

<400> 299

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gctgaggggt agcgatgcgg gctccgggga tgaggtcgcg gccggcgggt cccgcgctgt 60
tgctgctgct gctcttcctc ggagcgggcg agtcgggtcg tcgggcccag cctccgcgcc 120
gctacacccc agactggccg agcctggatt ctccggccgt gccggcctgg ttcgacgaag 180
ccaagttcgg ggtgttcac cactggggcg tgttctcggt gcccgccctgg ggcagcgagt 240
ggttctgggt gcaactggcag ggcgaggggc ggccgcagta ccagcgcttc atgcgcgaca 300
actaccgccg cggttccagc tacgccgact tcggaccgca gttcactgcg cgcttcttcc 360
acccggagag tggggccgacc tcttccaggc cgcgggcgcc aagtatgtag ttttgacgac 420
aaagcatcac gaaggcttca caaactggcc gagtctgtg tcttggaact ggaactccaa 480
agacgtgggg cctcatcggg atttggttgg tgaattggga acagctctcc ggaagaggaa 540
catccgctat ggactatacc actcactctt agagtgggtc catccactct atctacttga 600
taagaaaaat ggcttcaaaa cacagcattt tgtcagtgc aaaacaatgc cagagctgta 660
cgaccttggt aacagctata aacctgatct gatctggtct gatggggagt gggaatgtcc 720
tgatacttac tggaactcca caaattttct ttcattggsty tacaatgaca gccctgkcaa 780
ggtctctgtg gggtcgttga gggcaaggac cctgttttat tcaacctggg aactcagtgt 840
ttgccacatg tgaggcncan ggtagttc 868
```

<210> 300

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 300

```
ccacgacgtc cscggaacgc tsgettgcgg ggcctgagcc tctccgccgg cgcaggctct 60
gctcgcgcca gctcgtcccc gcagccatgc ccaccacat cgagcgggag ttogaagagt 120
tggtacttca gcgtcgctgg cagccgctgt acttggaat tcgaaatgag tcccatgact 180
atcctcatag agtggccaa tttccagaaa acagaaatcg aaacagatac agagatgtaa 240
gcccatatga tcacagtcgt gttaaactgc aaaatgctga gaatgattat attaatgcc 300
gtttagttga catagaagag gcacaaagga gttacatctt aacacagggt ccacttccta 360
acacatgctg ccatttctgg cttatggttt ggcagcagaa gaccaaagca gttgtcatgc 420
tgaaccgcat tgtggagaaa gaatcgagt gtgaaacaga acaatatctc actttcatta 480
tactacctgg ccagaatttg ggtcccttg aatcaaccag ctteanttct caatttcttg 540
gntaaag 547
```

<210> 301

<211> 865

<212> DNA

<213> Homo sapiens

<400> 301

```
ttagtagaga tggggtttca ccacattggc caggctggtc tcaaactcct gacctcaagt 60
```

```
gaatccacct accttggcct accgaggtgc tggaattaca ggtgtgagcc accgcgcctg 120
gcctaatact gctttattac aacgttatct gtgggtcgga atccttttat attgggtaac 180
agatgacct gactcagaat aatcttttct aatggctttt tgagggaagc ttgtgaagtt 240
ctggtgaatc ttctttttca cttcactttc agtgagctga aagtaaccaa actaaatata 300
tgtatttgtt aaaggacag gacaagacag ccttaaaaaa ttgaatatag ttgggtgagac 360
aactcagaag tacagggttg agcatccctt attcaaaatg cttgagaagt gttttgggtt 420
ctggaatatt tgcattaatg cttgccagtt gagcatccca ggtccgaaa tccacagtgc 480
tccaatgagc ctttcccctg agtgtcacat ctgtattggc actcaaaaag tttcatattt 540
tggagcattt cagatttcag atttgggatg cttcatctat attgacagct gcaagaacag 600
aaaggaagaa gagattattt ttgtgggaga acagttttct ccatagtgtt tcctgtggaa 660
tgctagtgtc tcataaagtc ttcyaaaaaa aaaaaaaa aatcaaatgt ttggaagcca 720
ttttgtgtta ctgtgtgact ttcttttact caaaaacagc accataaaat ttctgacaag 780
tactataggt aaagaaatcc ctttatactt aacctagtat tttctacctt tccccatcta 840
aaataaaatt tttataccac tttct 865
```

<210> 302

<211> 815

<212> DNA

<213> Homo sapiens

<400> 302

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asaagcataa acataagcac aaacacaagc ataagcatga cagtaaagaa aaggacaagg 60
agcctttcac tttctccagc cctgccagtg gcagtctatt cgttctcctt ccttttcaga 120
ctgagaaggg gacaaaaaga cctttccttt catgtccaga agaattgtatg taactaaagc 180
tttgcctctt gtgaagaatt ataaaagggg ggggggaaag gattcgcttc tcctacagaa 240
attctgaatt catttaagtt ctaagcattt gatttatgtt atttatacag ttgggatcta 300
attagaaaaa tgtgttttgt agttctggat aaactatttc atccgctgtt tcctcccaa 360
aacacacaca cagagcaaac tccctttcat aaaagccctc atatccactg gcagtccccg 420
ttcgcacatc ggtctccatg tgtaccgcca aagtcaatta tgtttgaaag cctttggtgg 480
atgttatggg gcaaagttat gatttacaca gaagcaactg ccaaatctgt ggtgcaacca 540
ctatctccag tgaaatatgt tataacacca tttggaacta ctgaaaagac agtggctttt 600
ctacagtact cttccttatt gcaccatttt tgtattaacg tagaaactaa gcatacagaat 660
ttatgaacaa agaatatgtt atttttccyt ttgcyctaaa atactgagga tttggggaag 720
caattcyttt taaaaaaat tttggaataa ctaycttttg rtacacattc gggsggttac 780
ggtgttgggg atttaggcag gactatccaa atccc 815
```

<210> 303

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1907)

<223> n equals a,t,g, or c

<400> 303

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actgacagta cggtcggaat tcccgggtcg atccacgcgt ccgcgagcgt ggsacaaaaa 60
cagatgctag gaagcttggc ttctctttct tgttgaccct tttttgaacc aacatctttt 120
ttattatatt cagagtatgt ttttaagtgt atcttaatat atacattttt taggacatct 180
taaactctaa caaaaaataa aatgaacatc tcttgaaacc tgtaaaaaca accagttaaa 240
```


gccacagatg gctttcaggg cagtagcagc agaggccagt ggactctgag gactcctgag 300
gggcggggcg tgtagccagc caggtgcatg ccgggacccat ggcccccata cttaggctgct 360
tcctgtgaca gtgaaataca tccttcaagg tggcagctgt tagggctgaa tcttctggag 420
aaaaaggtgc catctcagga gaatagcttt tactctggta ggaatgcttc cgagacacca 480
caaggcagcc tgaacactca gttgcagggc cgggcttgcc gtgggtgacc cagagccacc 540
aaagtccatc ccacaactaa tgagggaaat ctgtaaagcc agttagatag aagaatttta 600
tttttctgtg ggttttgtgt tgtctttttt atgttaaaaa gaaatccagt ttgtgttttt 660
ctatagraaa agtaaaagat caggttatac tttaggtttag gggttctatt tattcctgtt 720
agtaaataaa attaacaagt ttctttgttt aacaaaagat taatctttaa accactaaaa 780
tacatagact gattgattat tcaacacatt ggaattgatg tcggtcatag tttcctgaag 840
catttagtta caacctgaag gaataaaatg atttgtggaa atgcttaaaa tagacctaac 900
tgaatacagt ctcatcttgc cgcgcctggc ttacctatct gtggaaagct aggcttccca 960
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catttttaag atagaacaca aaacttgaaa gaagttttat gcgtgtgaca gtgtatgggg 1140
ctgcagttgg tctccctgga ggggacttcc acacctcctg cctttaggcc atgggtggaa 1200
agtgtcagtg gaagtacacc tgtgtggccc agttctgaaa gctttataca gttgaatttt 1260
aagtgggggt gataaacacct tggactgtta gtgttaaaaa tctagtgggt tgaccttta 1320
atgcaacagt ttttaaaata tattgctgca ttttatagaa tagtaaaggt acgattatac 1380
ttgagatttt cctccatttt tatttcttcg tgaacataga gtttggggcc gaaaatgttt 1440
ttaaagtatg tgtttgagtt aaatataaag ttggttcact tcaaagctaa aaaattgtta 1500
aacttgacgc ttggtattgc agagaagatt ttataagaat tttgctttag agaatgccac 1560
tttggtgtaa ctacaagtgt aggccacccat tataatttat aaatacagca tacttcaaaa 1620
ctgtttgtta tctcttgtaa ccatgtatgt ataaatggac cttttataac cttgttctct 1680
gcttgacaga ctcaagagaa actaccagc tattacacaa gccaaaatgg gagcaaggcc 1740
ttctctccag actatcgtaa cctgggtgct taccaagttg tgcttttctg ttttcaagt 1800
taaagtatgt tgagcagaat gttgtacttg aaaatgctat aagtgagatg gtatgaaata 1860
aattctgact tatgaaaaaa aaaaaaaaaa agtcgacgcg gccgganatt tagtagtag 1919

<210> 304

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 304

agggtgtacac cctgcccagc cacaagccga tttttaaaag gtcaaatgct atgacagcca 60
ttttacagga aaaaaaaaaa ttgtatagtt gtggtgacgt tcctcacaca gngcaccagc 120
ttcaggagat ctgtcccttg cagacccttg aaccggtg 157

<210> 305

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<400> 305

```
aatgcagtggt ttctgattac tgatctctca ttacccaact atctgatggc atcttcgggtt 60
ggactgcttc ctaccagct tctgaattct tacttgggta ccaccctgcg gacaatggaa 120
gatgtcattg cagaacagag tkttagtga tattttgttt ttgtttaca gattattata 180
agtataggcc tcatgtttta tgtagtcat cgagctcaag tggaattgaa tgcagctatt 240
gtagcttggtg aaatgggaac tggaaatctn ctctgggttaa aaggcaatca nccaaatacc 300
agtgggctct ttcattctac aacaagagga ccctaacatt ttt 343
```

<210> 306

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 306

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gaagcaggca ggttgctcag ctgcccccg agcggttcct ccacctgagg cagactccac 60
gtcggctggc atgagccggc gccctgcag ctgcgcccta cggccacccc gctgctcctg 120
cagcgccagc cccagcgag tgacagccgc cgggcgccct cgaccctcgg atagttgtaa 180
agaagaaagt tctacccttt ctgtcaaaat gaagtgtgat tttaattgta accatgttca 240
```

ttccggactt aaactggtaa aacctgatga cattggaaga ctagtttcct acaccctgc 300
atatttggaa ggttcctgta aagactgcat taaagactat gaaaggctgt catgtattgg 360
gtcaccgatt gtgagcccta ggattgtaga acttgaaact gaaagcaagc gcttgcataa 420
caaggaaaat caacatgtgc aacagacact taatagtaca aatgaaatag aagcactaga 480
gaccagtaga ctttatgaag acagtgtat tcctcaattt ctctacaaag tggcctcagt 540
gaccatgaag aangtagcct tctggaggag aaattcgggtg acagnctaca atnctggctg 600
gttacaaatc caaggcccag acccaatatt cccaacaaaa aacttttgn tggccaggtc 660
nttcaatttt tgaaaaaaag tgggttttgg tttaac 696

<210> 307

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 307

cctaggcctc ccaaaatggt gggattacag gcgtgaggca ccgcacccaa cctaacagag 60
gaaacacttc aaatgcacat cctcacattt ctagtctacg tagctggaaa aaaaggacat 120
tyttaatatg ctaatgtgga ggtcacctag ttaccctaag ggagaaaagc aaggcaagga 180
cccactgcac agcaagtcc ccttggaag ccacgggcg cactgcccac aaatgcacat 240
aatctctgca gaaatacaaa agccctaag ctggctgcac tggggacaca ggtaggagga 300
aattttcccc tgtaagcagt tttgaattct gaactatgtg gacagamcac caattttaaa 360
acaatgaaag tgagttggct gggcacatgg tttngc 396

<210> 308

<211> 549

<212> DNA

<213> Homo sapiens

<400> 308

agagacaggg ggcaagaagg ggtgtmaggg ccagtraca aaatcattgg ggttttagt 60
cccaacttgc tgctgtcacc accaaaactca atcatttttt tcccttgtaa atgcccctcc 120
cccagctgct gccttcatat tgaaggtttt tgagttttgt ttttggctct aattttttctc 180
cccgttccct ttttgtttct tcgttttgtt tttctaccgt ccttgtcata actttgtgtt 240
ggagggaacc tgtttcacta tggcctcctt tgcccaagtt gaaacagggg cccatcatca 300
tgtctgtttc cagaacagtg ccttggatcat ccacatccc cggaccccg cttgggacccc 360
caagctgtgt cctatgaagg ggtgtggggg gaggtagtga aaaggggcgt agttgggtgt 420
ggaaccaga aacggacgcc ggtgcttggg ggggttctta aattatattt aaaaaagtaa 480
ctttttgtat aaataaaaga aaatgggacg tgwaaaaaaa aaaaaaaaaa aaaaactcga 540
gactagttc 549

<210> 309

<211> 1778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1704)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1744)
<223> n equals a,t,g, or c

<400> 309
ctgtcttggc cttccagggt gctgggatta caggcgtgag ccactggaac ctggccttgt 60
tttgctttat tttttctctt acatgaagta aagcgctttg gtcaaacaca caaaaatact 120
gccttgtagt ggtggttggg ttcattagtg gatcacacac agtggtctac ttggcttgta 180
aaatggtgcc ttggataggg tgagtttgga taagtatgta tgtatgtatg agttatagca 240
aaattaagta gattgaatca agtccatgca aaagcaataa aacagtttta attttttaaat 300
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<210> 310
<211> 771
<212> DNA
<213> Homo sapiens

<400> 310
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<210> 311

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1005)

<223> n equals a,t,g, or c

<400> 311

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agaacagaca ttgtcatgga tggtggctgc agtataaatc cagccattga cataggccag 180
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<210> 312

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<400> 312

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gaaatttgct tgtcagcatt gcatcacttt tccttaactg ttctctaagt actgatgtct 180
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gaataataca gtacagtga aaattgctct ccccttagga actgaggaat agaaaaacaa 360
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cccccatggt cctcataaca agttaggga actgaaattg ctggaaattt aggattctwa 480
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<210> 313

<211> 2435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2408)

<223> n equals a,t,g, or c

<400> 313

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<210> 314

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2538)

<223> n equals a,t,g, or c

<400> 314

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tactgtctaa cacatttatt agaacacatc actactaacg aagacttttag ggacgctgga 360
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<210> 315

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (828)

<223> n equals a,t,g, or c

<400> 315

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<210> 316

<211> 1608

<212> DNA

<213> Homo sapiens

<400> 316

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<210> 317

<211> 1057

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (958)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (966)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1053)
<223> n equals a,t,g, or c

<400> 317
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<210> 318
<211> 1336
<212> DNA
<213> Homo sapiens

<400> 318
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tatagagatt tgaaactgga caatgtatta ctggactctg aaggccacat taaactcact 180
gactacggca tgtgtaagga aggattacgg ccaggagata caaccagcac tttctgtggt 240
actcctaatt acattgtctc tgaaatttta agaggagaag attatggttt cagtgttgac 300

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gttgggagct ccgataaccc tgaccagaac acagaggatt atctcttcca agttatattg 420
gaaaaacaaa ttgcataacc acgttctctg tctgtaaaag ctgcaagtgt tctgaagagt 480
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<210> 319

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 319

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aagagttcca aaataataat gaccttgagt tacaacaaaa atgtattaat gtactaagca 180
catatgctat gattcagggg caaattgatg caaataagga gattgggcag ttcttcatac 240
aaactttaac acagttgaat gttcgccctg aaattttgat agaaatgaca aattcgcctt 300
tccaatttac ggggatgcct cttacggcta taatggaacc atwtttgtaa ggggtgggtt 360
tttatcyatt ctaaargacc cagttgtacc caatttgrgg cmgcmattcc aaatgggtgg 420
ttaaaccaca atncccganc twaargaagk tgccctgggt gctttactac gttgggtagt 480
ttcatcacta caaatg 496
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<210> 320

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1718)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1721)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1750)
<223> n equals a,t,g, or c

<400> 320
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cgccgcctgc ccctgatcac ctgttccggc ccacagcgc cgaggacgag gagcagcagc 180
ccaccgagat cgagtcgcta tgcataaact gttactgcaa tggcatgacg cgcctcctgc 240
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ttgtggaana cccacatgct cctcagaaag atgatgccct ggtgatcaca cactacaacc 720
ggacccgaca gcaggaagag wtgctggggc ttcaagaaga agcaccagca gagaagccag 780
aagaggaaga tctcagaaat gaagtgtctc mgttcagcac aaaytgccca gaatgcaatg 840
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ggcttgactn gctcaa 1756

<210> 321
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 321
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agtgaaccg tctccacaaa taatttttaa aaaattagcc aggcattggtg gtgccgcctg 120
tagtcccagc tactcaggag gcttgggtgg gaggattgcc tgagaccagg aggttgaggc 180
tgcagtgagc cgtgatttca ccaccactcc agcctgggtg agaaagcaag accctatatc 240
aatgaaaaaa aaaaaaaaaa aagaccagct ttgcagccag aagccagagg ataccagg 300
acagtagggc tcccagggtg ctggttctca gcacaccttc catgaatctg cttgctgctg 360
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cccccagaag gggagtgtgt cagggaaagag acatttttagt ttcatTTTgc cttgcaattt 480
tctttcttcc ttgcaagggt cttcgggtggg anttcagttc accaaaacaa aaggcttaaa 540
ccngggtttt ttttaaggaga gggtttntta aatncccttt tgccccgac 588

<210> 322
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 322
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ttttatgact atgacgttgc cctgatcaag ctcaagaata agctgaaata tggccagact 120
atcaggccca tttgtctccc ctgcaccgag ggaacaactc gagctttgag gcttcctcca 180
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aagaaaggca gctgtgagag agatgctcaa tatgccccag gctatgacaa agtcaaggac 360
atctcagagg tggtcacccc tcggttcctt tgtactggag gagtgagtcc ctatgctgac 420
cccaatactt gcagagggtga ttctggcggc cccttgatag ttcacaagag aagtcgtttc 480
attcaagttg gtgtaatcag ctggggagta gtggatgtct gcaaaaacca gaagcggcaa 540
aagcaggtac ctgtcacgcc cgagactttc acatcaacct ctttcaagtg ctgccctggc 600
tgaaggagaa actccaagat gaggatttgg gttttctata aggggtttcc tgctggacag 660
gggcgtggga ttgaattaaa acagctgcga caacaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag gggggggg 738

<210> 323
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (857)
<223> n equals a,t,g, or c

<400> 323
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ncgcgacggt tgccgcgggt tctgcaggga agtggctacg cgcgtccctc gggaaaagca 120
ggctttgcaa attggcagcc caagtytcag gggcctgtgc agtgactgat cattaccaac 180
atttcgaagt gagagatgtc acataaagag cgtcatttcg agcttctctt gaaaagttgt 240
aagggtgagct accctgggac tgtattcctg aatggcaatg tgatggcaga gtcctgcagt 300
attaccacct gaggacttgt gcaccagggt tcccaccac ccacttcagg cccttggttc 360
agggatgtgc ccgtcatgga aataacagggt gctgtggctc tgctggtttt ggctttcctt 420
ctctgtaacc ttccaatatc tttctccttc caggactgt aaaccactta gtaattaatt 480
agttaataaa ttcatctcat cagcactttt aaaataatgt gctaggccac actgtcatgg 540
accccagata tacagcagca aacaaagcag ccatgggtacc ttccctcagg gagcagtcag 600
tccagtggag gagtcagata tgactcacca cacagatcga aaaatctyca caaattatga 660
gaagaatgct gagggaagaa agaacatagg tggacccgct gctgagtcca ggcttacttg 720
cagagatcta tgctggccag gccctgtgct aggcagcana ngacatggaa taaaatcaaa 780
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gttttattaa tttccancet gtgagaaatt gggaac 876

<210> 324
<211> 1322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1309)
<223> n equals a,t,g, or c

<400> 324
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cgctgcggcc gccgcggaat aataagccgg gatctacat acccattgac taactatgga 120
agattatacc aaaatagaga aaattggaga aggtacctat ggagttgtgt ataagggtag 180
acacaaaact acaggccaag tggtagccat gaaaaaaatc agactagaaa gtgaagagga 240
aggggttcct agtactgcaa ttcgggaaat ttctctatta aaggaaacttc gtcattccaaa 300
tatagtcagt cttcaggatg tgcttatgca ggattccagg ttatatctca tctttgagtt 360
tctttccatg gatctgaaga aatacttgga ttctatccct cctggtcagt acatggattc 420
ttcacttggt aagagttatt tataccaaat cctacagggg attgtgtttt gtcactctag 480

aagagttctt cacagagact taaaacctca aaatctcttg attgatgaca aaggaacaat 540
taaactggct gattttggcc ttgcagagct tttggaatac ctatcagagt atatacacat 600
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ct 1322

<210> 325

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<400> 325

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accagaggc tctagtctk gccctactc tccaactcac ttcctctctc cactactcca 180
ggcaggttca gtcttcttgt tagtcccaga agctctgtgc tcatccctc catccgagcc 240
tccatattgca gggtcctgca aagcttggtt atctgcagat ggaagcagcc aggactgaga 300
tcatagaatg gggacatacc agcctaggtc aaggaggga gt 342

<210> 326

<211> 3690

<212> DNA

<213> Homo sapiens

<400> 326

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tgcggtcgaa gaaggggacg ccgacaagag ttgaagtatt gataacacca aggaactcta 180
tcacaatttg aaaaagataag caaaagtgtt atttccagac actacagaag aagtaaaaaat 240
gcgtccaatg cgaatttttg tgaatgatga ccgcatgtg atggcaaagc attcttccgt 300
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cgctcaaagc tgtgtccgac tggatagacg agcaggaaaa gggtagcagc gagcaggcag 420
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3690

<210> 327

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (701)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<400> 327

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gcaccacgcc ggggggcacg ctatacgcca ctacccccgg aggcaccagg atcatctacg 180
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tgaaggagca ggagacagag gaagagatac ccgatgacgc acaatttgaa atggacatct 360
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caccacctct tcctggggca tccaanagcc agctggcctc atctaactct gaagggagtg 480
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accctctatg ctcaggggct ggaactgggg aatggagtaa gtcacctct gactgcttag 660
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<210> 328

<211> 989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (943)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (982)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (984)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (986)
<223> n equals a,t,g, or c

<400> 328
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agttgcagct cccggagctc cggcgggcggc tccaccggcg aaagagatcc cggagntcct 180
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gcctaagtct ctgctgctca agccgcacca gagggagaag atgtccatgg aaatatccat 360
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gaggaaagcc ctgactgagc ctgaggcccg atactacctc cggcaaattg tgcttggtctg 540
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gttagtgggc aaaccacctt ttgagacttc ttgcctaaaa gagacctacc tccggatcaa 840
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<210> 329
<211> 434
<212> DNA
<213> Homo sapiens

<400> 329
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atgctaaata aagtacttca aactaggaat gtaaacctta taaagaagac tgtatttaagg 120

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cctaatagtg ctgtgctaata gggttcagtgg ctaaaatgtg tggttaacagt tcatgcatca 240
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agcagagtca aaacttttca gaaactttca caccctcatg gaaagcttat tcttctaatt 360
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ttggtgtatg aagt 434
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<210> 330

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<400> 330

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tggacctgtg gttcatacct tgtcaccacc cgggaagctg aaggccactt yctcccagat 480
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gttgaaccct gagtgtttgc aggccagca gaccctgctg ttnccaagcg caccctngct 660
ttcgaacatt aacttcctta acttngggac agtagg 696
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<210> 331

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 331
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cactaccgct tgaaccggcg cccgggttgg gccttggaaca caaattgaac tctacgggaa 480
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n 541

<210> 332
<211> 305
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 332
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tccctggctg ggctggcgga ggcttgctg atgaacctga ctgagggtcc cctggcgatg 180
gcagaaatgg accctacaca gggcgcgtgt gtctttgagg acgtggccat atatttctcc 240
aggaggagtg ggggcacttg atgaggtcag agattgctgt accgtgatgt gatgcttgag 300
aattt 305

<210> 333
<211> 445
<212> DNA
<213> Homo sapiens

<220>

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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 333
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gactgaggaa agctcgctcc ctgcccaggt ttttcattgt tgatcgaaat taacaccagg 120
tggtgaatag agcccctset aaggttgctc aggataaatc atttattaaa taggtctgct 180
tatcaggagg ggcgtgaagg ctcccaaaag gaaatgctgg cacctggggc cagaagccag 240
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gccmaagcgg gcacttcaac tggaaggctg rtatcaggcg rttagacagc catggcattt 360
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cagttccccg tttggatttt ggatg 445

<210> 334
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 334
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tctgaaggat ttcagtgtct atcataacat ttgacataca gttggcactt ggtaggtact 180
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attgcagaga gccagttggt gaatcagcaa ggtttccatt tatgctgctc ccctccaccc 300
agtcccctgg agggact 317

<210> 335
<211> 1524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1523)
<223> n equals a,t,g, or c

<400> 335
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actggaaatt ctcttgctag ttaaaaaaca ttccaagatt aatgacactg agttcttcta 180
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cttaagctaa ntgtttactg ggna 1524

<210> 336
<211> 306
<212> DNA
<213> Homo sapiens

<400> 336
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tccttatcag atattccttg accccctat gtaagtgtc ttagccactc attgttaagc 180
caactgctaa aatcttagaa aaatatttca gccttctcct accccatccc ccacccccac 240
aagcttctag cttcttctac ctacagcaaa tgttaaaact ggtcagaagt tatattattt 300
actctg 306

<210> 337
<211> 291
<212> DNA
<213> Homo sapiens

<400> 337
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acctacctgg cctcaagaga aattattttc cagggcccaa cacattggtg ttttatcagc 120
acctaatga cctggggaaa gcagaatgcc taactccagc ctgtggtatt ttgttatggc 180
aggctgagca gactaataca gactttaata tacagactaa aagtaaaggg atggagaaaag 240
ataccctag tcaaaataaa gaaagtagtt atgttaatct aagacagagc t 291

<210> 338
<211> 1264
<212> DNA
<213> Homo sapiens

<400> 338
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<210> 339
<211> 759
<212> DNA
<213> Homo sapiens

<400> 339
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<210> 340

<211> 2639

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1651)

<223> n equals a,t,g, or c

<400> 340

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<210> 341

<211> 1824

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1807)

<223> n equals a,t,g, or c

<400> 341

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gatgaatcta aagaagtatc attgtgaaca agggaaatgt cagtcaagaa atattccttg 360
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<210> 342

<211> 4531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 342

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<210> 343

<211> 584

<212> DNA

<213> Homo sapiens

<400> 343

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<210> 344

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<400> 344

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<210> 345

<211> 3740

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<400> 345

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<210> 346

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<400> 346

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gacgtccagc gtgtccctca caggaaaggc ctccaccag ccagcaaatg cggcagggat 180
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<210> 347

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 347

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ta 782

<210> 348

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 348

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<210> 349

<211> 2356

<212> DNA

<213> Homo sapiens

<400> 349

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<210> 350

<211> 1219

<212> DNA

<213> Homo sapiens

<400> 350

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<211> 408

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 351
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<210> 352
<211> 1283
<212> DNA
<213> Homo sapiens

<400> 352
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<210> 353
<211> 3229

<212> DNA

<213> Homo sapiens

<400> 353

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<210> 354

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 354

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gcgcgataac atccagggca tccactaagcc agctatccgg cgcttgctc gtcgcggcgg 180
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ctgagaagaa gtactgggca catgng 506

<210> 355

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 355

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<210> 356

<211> 1695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 356

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<210> 357

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<400> 357

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<210> 358

<211> 1374

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1374)

<223> n equals a,t,g, or c

<400> 358

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<210> 359

<211> 4152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 359

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<210> 360

<211> 1156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<400> 360

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ggaggactcc ctgcccgacc gggacctggc actcgccgat gagccagcag gaacgccgac 180
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gctctatccc cgscggmccc aagcaggagm cctgcgcccc gcacaacggc tyararcccg 540
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aaaaaaaaaa aaaaaa                                     1156
```

<210> 361

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<400> 361

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waaaaytaga aagaagcttt ctgagaaact gctttgtgat rtgtgcattc atctcacaga 120
ggtaaattctt tcttttgatt cagcagtttg gaaacctggc taacatgggtg aacctcggtgt 180
ctactgaaaa tacaaaaaat tagccagggtg tgggtggcaca atgctgtaat cccagctact 240
caggaggctg aggcaggaga atcgcttgaa cccgggaggt gggagggttac agtgagccaa 300
gtttgtgcca ctgcattcca gcctgggctt atagagtggg acttccgtct tcaaaaaaaa 360
aaaaaaaaa nctngn 376
```

<210> 362

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<400> 362

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gcattcttaag ttgccctct gactgggcag ctttctcctg aacacagtga ggaatgctaa 120
gttacatggt ccagtaamtg agtggatacc ctgagcccc gcattccact ggctgctatg 180
cagggataag tccatgcacc tgtggatggc agtggttgag ctggttctct ataaaagtat 240
ccagtgcaca gacctttgtt cacacatgca tgtaaattta ctgggaaaac tctagagacc 300
aatgttcttt ctccacaga aatctggcct agcagtctat tcttaaattg ctctttgtgt 360
gtaagacaca tctgtttgat accccactct gccctgactt ttaggcaaata ccgttaggac 420
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tkggcagagg tccacattgg gaaagttagt gcatacanga 519
```

<210> 363

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1350)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

<400> 363
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ttccttgctc cggggagtcc gcgcctccca cgccggacct ggaagagaaa agagcaaagc 180
ttgcagaggc tgcagagaga agacaaaaag aggctgcac tcggggaatt ttagatgttc 240
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tagtgccttt aaactgatca tcaggagaaa tcttgaaaaa atcatttgaa gggctgatgt 840
gaaggagcac tgtaaathtt tataacttag taatgagtat tcttaggcag atgtaaaatt 900
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gtttc 1385

<210> 364
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (962)
<223> n equals a,t,g, or c

<400> 364

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tttccggata tttttggtgg aattcccca aagggaatc cacagggctg ttccgaaata 120
ttgggggaac actgtttttc ctgcatcatc ctgcatttgc tccccaagca atgtagaggt 180
gtttaaaggg ccctctgctg gctgagtggc aatactacaa caaacttcaa ggcaagtttg 240
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ccaaatacat gtgtcaatgt ttctagtatt tcaaagaagc aattatgtaa agttgttcaa 540
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gngaaaagga caaaaaa 977
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<210> 365

<211> 964

<212> DNA

<213> Homo sapiens

<400> 365

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attttacctt taaaaaatg tcattggcac cataaataag gactgtgaga gactgtttaa 180
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ccgg 964
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<210> 366

<211> 1297

<212> DNA

<213> Homo sapiens

<400> 366

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<210> 367

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<400> 367

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gagctttttc agaagcgcga tcccaggaca cgtcgggaag caagcatccc cagagctgct 180
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atgtgtgtgt atcatcaaat tctatccaga agttgaagaa tctgaattta aagattgtgt 360
gcatttaata agaggatgac ctttcagttt aatttcacta tagaagacca tctggaaaaa 420
gaattaacac ccattagaga tggagctttg accctggatt cctcaaaaaga gctgtcagtc 480
tcagaaagtc aaaaaggaga agagagggac agaaaatggt ctgcagaaca atttgacttg 540

cctcaggatc acttgtggga acataagtca atggaaaatg cagctccctc tcaagacaca 600
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cctccttgag agctggccaa aggrgcmgtc tatgccttaa aggnntttaa gaagrtgttt 720
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rgtta 785

<210> 368

<211> 920

<212> DNA

<213> Homo sapiens

<400> 368

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aatgctgct atttattagc tgcaagaatg cacttttagaa ctatttgaca attcagactt 780
tcaaaaataa gatgtaaatg actggccaat aataaccatt ttaggaagggt gttttgaatt 840
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actaagaaat amaaaaaaaaa 920

<210> 369

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<400> 369

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ggggaagctg gagctgtctg gttgtgagca gggctgcac gaaataaagc tcctgggcaa 180
ggggacgtct gcagctgatg ccgtggaggt cccagcccc gctgcggttc tcggagggtcc 240
ggagccccctg atgcagtga cagcctggct gaatgcctat ttccaccagc ccgaggctat 300
cgaagagttc ccgtgcccgg ctcttcacca tcccgttttc cagcaagagt cgttcaccag 360

acaggtgtta tggaaagctgc tgaaggttgt gaaattcggg gaagtgattt cttaccagca 420
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caatcctgtc cccatcctca tcccgtgcca cagagtgggtc tgcagcagcg ganccgtggg 540
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tgagcgacac acacgtgtaa cactgcatcg gatgcggggc gtggaggcac cgctgtatta 780
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<210> 370

<211> 947

<212> DNA

<213> Homo sapiens

<400> 370

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tttctcccca atcttacctt cctattggct actttttaa taaaaataaa cattttaggc 240
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tgtgcttact acaaaacagt aaaatatttc actctgtaaa tcatcactaa gtagttattc 360
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actcagttyt agawcatktt tatcccccca ataagatctt catgctcwkt tacagttaac 600
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gtacgtctgg actgtcgata tgcggggaac ggtgtgtggc cattgctgcg ggcttacatg 780
gtcatctgtc tacgactcgc gtgctatgga cgtgggtcaa ccatcgggag cgtctccgcg 840
tcgagttttg cttgtgtagg ggcactgggt cagtttggtg ggagaggccg gtccccgggg 900
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<210> 371

<211> 2340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<400> 371

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tcggtgatgt ggaatggaca ggtgcctcgc aagagagcaa gcacgttcat aacaaaaacag 240
caacacaaaag acatgtttaag catgtttatt ttttgcctg tttttgtttt tttacttgag 300
ctgtgggtcac agctgnccag gtacctaaagc aagtcagttg ggtacagcag gacacgccac 360
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<210> 372

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c

<220>
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<222> (1556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1565)
<223> n equals a,t,g, or c

<400> 372
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ccaanaaggg gaagg 1575

<210> 373

<211> 1878
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1717)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1764)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1771)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1810)
<223> n equals a,t,g, or c

<400> 373
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tacgcatagc tgctaaattc atcactcatg cacccccagg ggaatttaat gaagtattca 180
atgacgttcg gctactactt aataatgaca atctcctcag ggaaggggca gcacatgcat 240
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<210> 374

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (703)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (747)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (786)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (797)

<223> n equals a,t,g, or c

<400> 374

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ctgtgtacaa ctggcagtat gtgcaactgc tcttcctgtg gtgccgggtc ctgagcactg 660
cgggccccag cgaagcctcc agcccttggt ctaacccctt tgncccaagt catcattggc 720
tgtatcaagc tcatccccaw tgcccgnctc taaccgcgtg cgaatgcamt gcatccgtgg 780
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cctgangsyg cttctynggg gaagcttcgg ggggsccttc atcccgggtgg ctggcctttc 840
aatcct 846

<210> 375

<211> 657

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (634)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<400> 375

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ccgggtctaa gttgtagatt ttatcaacac aaatttcctg aggtggaaga tgtagtgatg 180
gtgaatgtca gatccattgc tgaaatgggg gcttatgtca gcttgctgga atacaacaac 240
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<210> 376

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<400> 376
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cacaagggtc tcagtggggg agattttttg agccaagata agccaggaaa aggamtcca 300
caagktaatg tcatcagtta aggcaaggac tggccatttw crcttctttt gtggtggaat 360
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agatttaata gagaagtttt tacttactga agttggaaga tttgtangtg ttncactcg 660
cnccatggac agtaatgtan ggattttaaag gcagg 695

<210> 377
<211> 3610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 377

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caagccctca ctgcactctc gcggccttcg ttgctcgac agctccctgc ccaggctagg 180
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<210> 378

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 378

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<210> 379

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 379

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<210> 380

<211> 2550

<212> DNA

<213> Homo sapiens

<400> 380

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<210> 381

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 381

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aaaaaaaaa 1268
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<210> 382

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 382

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ccctatcccc atggtgcccc ttggtgggat ccagatgggt cactccatgc cgccagccct 180
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<210> 383

<211> 1091

<212> DNA

<213> Homo sapiens

<400> 383

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<210> 384

<211> 1029

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1014)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1015)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 384

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<210> 385

<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 385
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aaaaaaaaa nggcggccgt tttaaagatc cttnaggggc caa 583

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<212> DNA
<213> Homo sapiens

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<222> (2167)
<223> n equals a,t,g, or c

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2410

<210> 387

<211> 689

<212> DNA

<213> Homo sapiens

<400> 387

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689

<210> 388

<211> 798

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 388
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gaaccaaacc taagaagcca gttggggcag ccaagaagcc caagaaggcg gctggcggcg 480
caactccgaa gaagagcgct aagaaaacac cgaagaaagc gaagaagccg ccgcggccac 540
tgtaaccaag aaagtggcta agagcccaaa gaaggccaag gttgcgaagc ccaagaaagc 600
tgccaaaagt gctgctaagg ctgtgaagcc caaggccgct aagcccaagg ttgtcaagcc 660
taagaagcgg cgcccaagaa gaaatagcga acgcctactt ctaaaaccca aaargctctt 720
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<210> 389
<211> 1691
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1664)
<223> n equals a,t,g, or c

<400> 389
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caacaactgg g 1691

<210> 390
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 390
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tgggtcactg gtgtttgagg attttgctaa cctgacgccc tttgtcaagg aagagctgag 180
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gaagaaggag aagacggatg cctgcagaaa gtgagtgcct tctaacctta cccttctctc 420
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<210> 391
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (735)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (805)
<223> n equals a,t,g, or c

<400> 391
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gatgggcaag acagcgggtc tcgtgctggc caccctacag cagattgagc ctgtcaacgg 480
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ccaagcttgg caagggcagc tgcctttgaa ggtttgcagt ggtttttgct ccttaaaagc 720
ctgattgaat tatgncatgg ctcccagggg cctgcgccag ttcccagcct ggggctgcct 780
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<210> 392

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<400> 392

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cagacttcaa tggaaccaag gccagtgaat aagcaacttt ctacagtttt gcaccacggc 240
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caaaacccag cagactgtac ttagcattgt cttaaattcc tctcaaattc caaatatcac 360
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gtgggtggtac acacctgtgg tcccagctac tagggaggct gagccaggaa gaacgstyca 840
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cagagaccct gttttnaacc accacca 927

<210> 393

<211> 1023

<212> DNA

<213> Homo sapiens

<400> 393

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aaa 1023

<210> 394

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<400> 394

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tcttctcttn cagctccctt agcttggtc cgtaagtggg tcaactgcca aatgctttag 600
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taaaaataat tacattatgc ttctattcta tcatctaaaa cmaatcatta aaactaattt 720
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<210> 395

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<400> 395

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<210> 396

<211> 858

<212> DNA

<213> Homo sapiens

<400> 396

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<210> 397

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 397

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cgctgctggt ggccgcctgc ctctgcctgg cggaggtggg catcaccttc tgggtcattc 180
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ccttttcaac tccaatttca ttgggsatct ggtttcagsc gkttccttcc attaacagtt 1080
ttaaggttt gggtattttt caaaanattg 1110

<210> 398

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<400> 398

gcggcacgtg gcgcgggtgc ggggcgtgga gtggcgtggc gtggagtggc gtggcgtggc 60
gggggtctcgc ggcgcgggag cgcacccgga gctgtggacg gagagtgcct ccctctggcc 120
tcagtttccct catgtttag tagcggacat ggcccggacc ggccscgag accgccccgt 180
gcaacctcac cgccagcctg ggggcctcag cgactgggac gggaccaagg ggctcgggga 240
ttctccctgc ccccgccct ggtgcgtgac tgaccctcct gttcccagag cccccagcgc 300
argccgggat gttcgtcctg gtggaatgg tggacaccgt ccggatcccc ccttggcagt 360
ttgagaggaa gctcaacgac tccattgccg aggagctgaa caagaagttg gccacaagg 420
tcgtgtacaa cgtgggactc tgcatttgtc tgtttgatat caccaaactg gaggatgcct 480
atgtattccc tggggatggc gcatcacaca ccaaagtcca ttttcgctgc gtggtgtttc 540
atccattcct agatgagatt ctcatggga agatcaaagg ctgcagccca gaaggagtgc 600
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ccaagttcga cgaagcggag caggtgtggg tgtgggagta cgagacggag gaaggagcac 720
acgacctcta cctggacacc ggcgaggaga tccgcttccg ggtggtggac gagagctttg 780
ttgacacgtc cccacargg ccagytcat cagatgccac cantttccan tgargagctg 840
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<210> 399

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 399

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tggattttta taaggccaga catttacctc tggtaactc ttgagccatg tgtttcattt 60
ttatgctcac agaataattt ggtgtaatgg ggcttatyaa cccaaatttc agaactttaa 120
attcatgtat ctttttctac actgatgact atactcaaag catcttactt taattatata 180
aatgtatata ctgtctttct caactggggt ttcaagagag aattaagccc aaaataaaat 240
aatttgtgtg ngcttatttt ctncattttt c 271
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<210> 400

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (844)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (900)

<223> n equals a,t,g, or c

<400> 400

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cgggacaggg ggtctcggcc gtcggcgta tggtttcgcy cgtgcagctc ccgcctgaga 120
tccagctggc tcagcgctg gcggggaatg agcagggtgac ccgggaccgg gcggtgagga 180
agctccggaa atacatcgtc gccaggactc agcggggccgc agtggtttta cgcacgacga 240
gctgctgaag gtgtggaag gactgtttta ttgcatgtgg atgcaggaca agccactcct 300
ccaggaagaa ttaggaagga ctatttcccc gctcgttcat gcttttcaga ccacggaggc 360
gcanacctgt tccttcaggc cttctggcag accatgaatc gcgagtggac gggcattgac 420
aggctgcgct ggataaattc tacatgctca tgcggatggt cctgaacgag tccttgaagg 480
ytctgaagat gcaaggctgg gaagaaagac agatcgagga gctgctagag ctgctgatga 540
ctgaratcct gcacccagc agccaggccc ccaacggtgt gaagagccac ttcacgaga 600
tcttcctgga ggagctgacc aaagtgggcy ccgangsagc ttacggcaga ccagaacctg 660
gaagtcatc gacccttct gcagaatcgc tgcccgacc aaggattcct tggttttgaa 720
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caacatcact cgaggcatct ttgagacgat tgtggagcag gccccgcttg ccattgaaga 780
cctcctgaat gaactggaca cacaggatga ggaggtggcg tcggacagtg atgagtcctc 840
tganggcggg gaacgttgag acgcgctgtc ccagaagagg tctgagaagc cgccccgagn 900
ttccatctgc agggctgaac ctgag 925

<210> 401

<211> 1085

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1080)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1085)

<223> n equals a,t,g, or c

<400> 401

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gtcttccctgg aaggggtgcga taaggccggg cgaggtgcct gggatgcttc tccccctccg 120
cgaggaagag atctaattgg gtagggcggg tgtagactag cctgccgagc cgccccgtgg 180
cacctgcagc ctccctgggcg ccgcgcgggc ccgcgcgaga aagttgttaa agggagcag 240
gtggttgttc ttgggggtccg aggcgcgcct ctacgcctt gcccaacaga agccgcagtc 300
ccgtggggtc tggagacgca gtttcctgtt aatgacaata aatccctgct cccctgcct 360
cagacatcta cgcagcga aa tcgagcctgg ccttgagggg ccacaccgcg agggaaagatg 420
cgtgcgcca ttccagagcc taagcctgga gacctgattg aratttttcg ccctttctac 480
agacactggg ccatctatgt tggcgatgga tatgtggttc atctggcccc tccaagtgaag 540
gtcgcaggag ctggtgcagc cagtgtcatg tccgccctga ctgacaaggc catcgtgaag 600
aaggaattgc tgtatgatgt ggccgggagt gacaagtacc aggtcaacaa caaacatgat 660
gacaagtact cgccgctgcc ctgcagcaaa atcatccagc gggcggagga gctggtgggg 720
caggaggtgc tctacaagct gaccagtgaag aactgcgagc actttgtgaa tgantgcgc 780
tatggagtgc ccgcagtga ccaggtcaga gatgtcatca tcgctgcaag cgttgcaagg 840
atgggcttgg cagccatgag ccttattgga gtcattgttc caagaaacaa gcgacaaaag 900
caataactga aaaagactgt cctgtcagcg atgactttat acatcaaggg ggtcttgttt 960
tgctagagag tttgggggttt gggttgtgga tttcattgtg atttataata aggcttattt 1020
tcacagaata aaataaagca aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
ggggn 1085

<210> 402

<211> 348

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 402
ctttcccca cccckggsc cggggggttt ggcccgggg gccccgggc ctttccttta 60
aaggnaaaac ccttwaaggg tttggggaaa ttccccccc ccgggggggg gccctttgcc 120
caaaggggaa aaattttccg gggggccaanc cgaaagggc caaaaaagg ttccccccg 180
ggaaggaatc ccggttgga attgttaaaa caaaagggg aattttgaag gccggaaatt 240
cggttgccc cccaacttcc cccaacattc ccggggggac ttgggggctg gaacgatgcc 300
ttgggagnc tgggcaagct tcgcaaggt ggttggtcag ctngcgca 348

<210> 403
<211> 1470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 403
tggngctcca ccgcggtgac gaccgctcta gaactagtgg atccccggg ctgcaggaat 60
tcggcagagg cagwgccggc gtgggcggcc ggccgaggcg gaggcgcagg aagggggckg 120
cgagtcgtgc gaggtgccc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180
gggagctgtt caaaaaacga gctctttcta ctctgtagt agaaaaacgt tcagcatctt 240
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caggctctaa acaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360
gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420
atcagcgagg agatacgcat cctctaacct tagatgaaat tttggatgaa acacaacatt 480
tagatattgg actcaagcag aaacaatggc taatgactga ggcttttagtc aacaatccca 540
aaattgaagt aatagatggg aagtatgctt tcaagcccaa gtacaacgtg agagataaga 600
aggccctact taggtcttta gatcagcatg accagcgagg attaggagga attcttttag 660
aagacataga agaagcactg cccaattccc agaaagctgt caaggctttg ggggaccaga 720

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tactatattgt aaatcgcccc gataagaaga aaataactttt cttcaatgat aagagctgtc 780
agttttctgt ggatgaagaa ttccagaaac tgtggaggag tgtcactgta gattccatgg 840
acgaggagaa aattgaagaa tatctgaagc gacagggtat ttcttccatg caggaatctg 900
gaccaaagaa agtggccccc attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960
gctttaagac tcataacgaa cacttggtctg gagtgtctgaa ggattactct gacattactt 1020
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atgggctcat gggcaatgtg atgttccctg ttaaccttct gttactccct gggagaaagg 1260
cgctgagcgt ggcatgcagg tgtctttgct gtgtttttct ccacttctaa atggttcctg 1320
gttcccttct tcctcgtttg ttactttaga gcaagtttgc ccatagtctt gaatgcaata 1380
tttgtttatt ccaaaagaac atatttataa taaaatcact gtagaaggat taaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aggggaggggg 1470
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<210> 404

<211> 2487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 404

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ttcccagact ccggcgtngt cccggccacg ctcgacgctg ctgcaggaac aaaggaagac 120
cccgcggcgg cgcggcgcca cctccgcctg ctgctccgac ccgctcccg gcccgcggcg 180
cggcaccagg gcgcccggct cagccttccc ggaggcctcg gcccggcctc atcgtgccgg 240
cttcgcgcgc gaaccgggct ttcgcatttg ggaccctgca ggcagaaaaa tatggctcag 300
gagactaacc agaccccggg gcccatgctg ttagcacag gatgtggctt ttatggaaat 360
cctaggacaa atggaatgtg ttcagtttgc taaaaagaac atcttcagag gcagcaaaat 420
agtggcagaa tgagcccaat ggggacagct agtgggtcca acagtcctac ctcagattct 480
gcatctgtac agagagcaga cactagctta aacaactgtg aaggtgctgc tggcagcaca 540
tctgaaaaat caagaaatgt gcctgtggct gccttgccct taactcagca aatgacagaa 600
atgagcattt caagagagga caaaataact accccgaaaa cagaggtgtc agagccagtt 660
gtcactcagc ccagtccatc agtttctcag cccagtactt ctcagagtga agaaaaagct 720
cctgaattgc ccaaaccaaa gaaaaacaga tgtttcatgt gcagaaagaa agttgggtctt 780
acagggtttg actgccgatg tggaaatttg ttttgtggac ttcaccgtta ctctgacaag 840
cacaactgtc cgtatgatta caaagcagaa gctgcagcaa aaatcagaaa agagaatcca 900
gttgttgtgg ctgaaaaaat tcagagaata taaattactt cttgtgaaga gactgaaact 960
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gaccttcttt ccctgtaaac cagtatttgg cgccatatat aagcctgggt aaattgggtca 1500
tctaaagctg tcaaaataaga cattctgtga aaggtaaaca tcgaaactgg ttataagtaa 1560
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aaccatcaag ccaacaacag ggtcttgaga taacctttga agcttattgt actggcctgc 1620
accagaagat gtctgcatta ctcatcgcta aaaatgtgta gcacagaact gcactaggat 1680
taatttgttt acaagaagaa atttaaactc tacgtttggt ttccacatac agcagctcta 1740
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tcttaatgta actgtaccct tctgcatgga aaatcataac caacatggct gcagtagact 1920
tcttagtggt atccagcrcc acttgacagag ggctgcttta tcatattgta ctggggtgta 1980
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aataataaaa gccatgtaca gagggaaaaa aaaaaaaaaa aaaaaaaac tcgagactag 2460
ttctctctct ctctctctcc tcgtgcc 2487
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<210> 405

<211> 1256

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1180)

<223> n equals a,t,g, or c

<400> 405

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agtttttggt ccgctccgca gcgctcttcc cgggcaggag ccgtgaggct cggaggcggc 180
agcgcgggtcc ccggccagga gcaagcgcgc cggcgtgagc ggccggcggca aaggctgtgg 240
ggaggggggt tcgcagatcc ccgagatgcc ggagttcctg gaagaccctt cggctcctgac 300
aaaagacaag ttgaagagtg agttggtcgc caacaatgtg acgctgccgg ccggggagca 360
gcgcaaagac gtgtacgtcc agctctacct gcagcacytc acggctcgca accggccgcc 420
gctccccgcc ggcaccaaca gcaagggggc cccggacttc tccagtgcag aagagcgcga 480
gcccaccccg gtcytcgggt ctggggccgc cgccgcgggc cggagccgag caccgtcggc 540
aggaaagcca caaaaaaac tgataaaccc agacaagaag ataaagatga tctagatgta 600
acagagctca ctaatgaaga tcttttggtt cagcttgtga aatacggagt gaatcctggt 660
cctattgttg gaacaaccag gaagctatat gagaaaaagc ttttgaaact gagggaacaa 720
ggaacagaat caagatcttc tactcctctg ccaacaattt cttcttcagc agaaaataca 780
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gaacacaaga aagtgaagtc cactagggat attgttcctt tttctgaact tgggaactac 900
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ctgaaaggaa tttgtttatt tcatgcaagt ctagccatga taggtgttta gaggaaaagt 1140
tcttcgtcat cttctcagcc tggaacacag tgccatgtn gtgtctactg cagcttttcc 1200
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<210> 406

<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 406
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ttcaaggggc tcctttattg agaatcaatg tcttctccta ggtaattgat caccctagac 120
ccagggacac ccaattcatc gtaatcatca tgaataatca aaaagtggta gctgtgctac 180
tgcaagagtg caagcaagtn ctggntcagc tcttggttga agcgccagat gtgtcggaa 240
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aagcccgaat ctccgtgaay tcaggaaaac ttttaaaagc agagtatat ctgagcagtc 660
taataagcaa caatggagca acgggtacct ggctgtacag aaatgaaagt gacaagggtcc 720
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<210> 407
<211> 2643
<212> DNA
<213> Homo sapiens

<400> 407
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tcatttcagg tgcatgatg cgtcttggtta aaatatggga ttatcagaat aaaacatgtg 180
tgcatgacact ggaaggacat gcccaaaatg tgtcttggtc cagctttcat cctgagttgc 240
caatcattat cacaggttca gaagatggaa cagtacgtat ttggcattca agcacctacc 300
ggcttgagag cacactgaat tatggaatgg agaggggtat gtgcgtggcc agtctaagag 360
ggtcaaacia tgcgctttg ggctatgatg aaggagcat cattgttaag cttgggtcggg 420
aggaacctgc catgtccatg gatgccaatg gaaagataat ttgggccaag cattcagaag 480
tccagcaggc caacctaaaa gcaatgggag atgctgaaat taaagatggg gaaagattgc 540
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cattgagaaa caagagcttt ggatctgctc agaggtttgc atggggccac gattcttcag 720
agtatgcaat aagagagagc aacagcattg taaagatatt taagaacttt aaggaaaaaa 780
aatcatttaa accagatttt ggagcagaaa gtatctacgg cggcttctta ttgggagtca 840
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cacacttttt ggaaaagcag ggcttcaagc agcaagctct tacagtatcc acagatcctg 1440
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tggaagcaga gtcagaacag aagtggaaac aacttgctga acttgccatt agtaaattgtc 1560
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tgccactgc ctctggaaat gctaatatgg tgaacaagct agcagagggg gggagagag 1680
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aagaagcctt tggtgttgaa gaatgggtga aggaaacaca tgctgatctg tggccagcca 1980
aacaataccc acttgctcac ccaaatgaag agagaaatgt catggaagag ggaagagact 2040
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cgtttattgt ggcctccac acagccaaca aagaagaaa gagtttactc gaactagaag 2160
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gtttcctttc tcaataatga aaataggctt ctagttttag aaggctgagc cgaactaca 2580
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tgt 2643

<210> 408

<211> 1646

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 408

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aacagcagggt gcggccatcg ccacgacat ggatgttgac aaagttgcct tcaccgggtc 180
caccgagggtg ggccacctga tccagaaagc agctggcgat tccaacctca agagagtcac 240
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cgtggagcag tgccacgaag ccctgttctt caacatgggc cagtgtgct gtgctggctc 360
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aaagcagagg aaagtgggga acccctttga gctggacacc cagcaggggc ctcagggtga 480
caaggagcag tttgaacgag tcctaggcta catccagctt ggccagaagg agggcgcaaa 540
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tggtggcgtg caggatgaca tgagaattgc caaagaggag atctttgggc ctgtgcagcc 660
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aaaaaaaaaa aaaaaaaaaa aaaaaa 1646

<210> 409

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 409

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tcaatcccc gtcctcctac actttnctct gtgagaaaga tccacctaca acctcaggtc 180
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cagactgcc agctcgccc acagccactc ctggagcccc taaagctcta gcccaaggct 300
ctctgactcc ttcccgatc tattcggtt agcgactgaa gattgacgct gcccgatcgc 360
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cctgaaaact cccccactct ggtgccaaact tggacaacac tcttttatgc actctttttt 600
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gcctcctttg tgtcctctaa catccccaca atatcacccc ttaccacaag acctcccttc 780
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<210> 410

<211> 1850

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1848)

<223> n equals a,t,g, or c

<400> 410

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cgctatggat gatcgagagg atctggtgta ccaggcgaas ctggccgagc aggctgagcg 180
atacgacgaa atggtggagt caatgaagaa agtagcaggg atggatgtgg agctgacagt 240
tgaagaaaga aacctcctat ctggtgcata taagaatgtg attggagcta gaagagcctc 300
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aaaaatgatt cgggaatatc ggcaaatggt tgagactgag ctaaagttaa tctgttgtga 420
cattctggat gtactggaca aacacctcat tccagcagct aacactggcg agtccaaggt 480
tttctattat aaaatgaaag gggactacca caggtatctg gcagaatttg ccacaggaaa 540
cgacaggaag gaggtgcgga agaacagcct agtggcttat aaagctgcta gtgatattgc 600
aatgacagaa cttccaccaa cgcctcctat tcgcttaggt cttgctctca atttttccgt 660
attctactac gaaattctta attcccctga ccgtgcctgc aggttggtgaa aagcagcttt 720
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tatcatgcag ttgttacgtg ataactctgac actatggact tcagacatgc aggggtgacgg 840
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cttgccctact ttactctccc actgaagcag gttagcgttg aagggtggat ggaaaagcct 1560
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tttgactact tggatatctg actggagcca cagatacaga atctgtattg ttcttactga 1740
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aaaaaaaaac amggggnggg cccggtaccc attsccccta aagggggngg 1850
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<210> 411

<211> 661

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 411

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gtccgggtgt tgactctgag gatctgcccc tgaaacatct cccgagaaat gctccagcag 120
agcaaaatct tgtaaagtca ttcgcaaaaa cattgttaag aagtgccttg agctcttctc 180
tgagctggca gaagacaagg agaattacaa gaaattctat gaggcattct ctaaaaatct 240
caagcttgga atccacgaag actccactaa ccgccgccgc ctgtctgagc tgctgcgcta 300
tcatacctcc cagtctggag atgagatgac atctctgtca gagtatgttt ctgcgatgaa 360
ggagacacag aagtcctatc attacatcac tggtagagac aaagagcagg tggccaactc 420
agcttttgtg garcagatgc ggaaacgggg ctcsaagtg gtwtatatga mcgarcccat 480
tgacrartwc tgtgtgcagc arctcmagga atttgawngg aararmctgg tcycagttac 540
caaggaggtc tggarctgcc tgaggtnnag gagagaagaa gaagatggaa gagagcaagg 600
caagttaga ccttgacgct ctgaagaatc ttagttaaag ttagaagngc atcccatagn 660
t                                                                 661
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<210> 412

<211> 1263

<212> DNA

<213> Homo sapiens

<400> 412

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tctcagttca taggctatcc catcaccctt tatttgagga aggaacgaga gaaggaaatt 180
agtgatgatg aggcagagga agagaaaggt gagaaagaag aggaagataa agatgatgaa 240
gaaaaagccca agatcgaaga tgtgggttca gatgaggagg atgacagcgg taaggataag 300
aagaagaaaa ctaagaagat caaagagaaa tacattgatc aggaagaact aaacaagacc 360
aagcctatct ggaccagaaa ccctgatgac atcacccaag aggagtatgg agaattctac 420
aagagcctca ctaatgactg ggaagaccac ttggcagtca agcacttttc tgtagaaggt 480
cagttggaat tcagggcatt gctattttatt cctcgtcggg ctccctttga cttttttgag 540
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aacaagaaga aaaagaacaa catcaaactc tatgtccgcc gtgtgttcat catggacagc 600
tgtgatgagt tgataccaga gtatctcaat tttatccgtg gtgtggttga ctctgaggat 660
ctgcccctga acatctcccg agaaatgctc cagcagagca aaatcttgaa agtcattcgc 720
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ctcatggggg atatgatggc caaaaagcac tggagatcaa ccctgaccac cccatttttg 1260
gag 1263

<210> 413

<211> 1337

<212> DNA

<213> Homo sapiens

<400> 413

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ccggctctac tgccacctct tccagctcca ccgccggcgc acagggaag gcaaaggcaa 120
aggcggctcg ggagattcag ccgtgaagca agtgacagata gatggccttg tggattataa 180
gataatcaaa cattatcaag aagaaggaca aggaactgaa gttgttcaag gagtgccttt 240
gggtctggtt gtagaagatc ggcttgaaat taccaactgc tttcctttcc ctcagcacac 300
agaggatgat gctgactttg atgaagtcca atatcagatg gaaatgatgc ggascctcgc 360
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gttaccgggg cactcctgga ctctcagttt agttaccagc atgccattga agaactctgtc 480
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gaatacaaca actaagaaaa ggaagtttcc agaaaagaag ttaacatgaa ctcttgaa 1140
cacaccaggg caactcttgg aagaaatata tttgcatatt gaaaagcaca gaggatttct 1200
ttagtgatcat tgccgatttt ggctataaca gtgtctttct agccataata aaataaaa 1260
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cccatcccc ccttttg 1337

<210> 414

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (744)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 414

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aagctactaa ccagagccgg ctctttctcg agattttatt ccctcaaagt tgccccaaa 180
gttaaagcca cagctgcgcc tgcaggagca ccgccacaac ctcaggacct tgagtttacc 240
aagttaccaa atggcttggg gattgcttct ttggaaaact attctcctgt atcaagaatt 300
ggtttgttca ttaaagcagg cagtagatat gaggacttca gcaatttagg aaccacccat 360
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acagcaccag aatttcgctc ttgggaagta gctgacctc agcctcagct aaagattgac 600
aaagctgtgg cctttcagaa tccgcagact catgtcattg aaaatttgca tgcagcagct 660
taccggaatg ccttggttaa tcccttgkat tgctctgact ataggattgg aaaagtgaca 720
tcagaggagg taccaakraa actntaaaga aattggcgct agaatacttg gagcaatggc 780
agnatcaata ga 792
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<210> 415

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1036)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1038)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1099)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<400> 415

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tcgcttcccg gcgcggtcgc agccctcagc ccacttagga taatggcgac agctgaggtta 180
ctgaacattg gtaaaaaatt atatgagggt aaaacaaaag aagtctacga attgttagac 240
agtccaggaa aagtcctcct gcagtcgaag gaccagatta cagcaggaaa tgcagctaga 300
aaaaaccacc tggaaggaaa agctgcaatc tcaaataaaa tcaccagttg tatttttcag 360
ttattacagg aagcagggtat taaaactgcc ttcaccagaa aatgtgggga gacagctttc 420
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<210> 416

<211> 1113

<212> DNA

<213> Homo sapiens

<400> 416

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```

tgagaacatt cgcaagctca cggggcgga tccgaatgac gtgaggccca tccaagccag 180
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tggattctca gatagtggag gaggaccccc agccaaacag agagaccttg aaggggcagt 300
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cacacgtaga gaccttatcc aggatcaaaa tatggatgaa aagggaaagc aaaggaaccg 480
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aaagaaaaga aaagaaagga aagaaaagaa aac
1113

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<210> 417

<211> 1174

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 417

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gctccagttc ctaggactgt acaagaaatc tggaaaactt gtattcttag gtttgataaa 240
tgcaggcaaa accactcttc ttcacatgct caaagatgac agattgggcc aacatgttcc 300
aacactacat ccgacatcag aagagctaac aattgctgga atgaccttta caacttttga 360
tcttggtggg cacgagcaag cacgtcgcgt ttggaaaaat tatctcccag caattaatgg 420
gattgtcttt ctggtggact gtgcagatca ttctgcctc gtggaatcca aagttgagct 480
taatgcttta atgactgatg aaacaatatc caatgtgcc aatccttatct tgggtaacaa 540
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<210> 418

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 418

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ngggcaacca ttg 673

<210> 419

<211> 2178

<212> DNA

<213> Homo sapiens

<400> 419

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ggaacgtgcg ctcagcactg ggattttctg gactcaacga tgactctgaa taatgtcacc 240
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gaaaaaaaaa aaaaaaaaaa 2178
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<210> 420

<211> 1884

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 420

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caatacatta ggttttggca cagagcaggg gccctatgga atgcagacac agaattaccc 540
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at ttgaaata agaaaaaaaa aaaa 1884
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<210> 421
<211> 622
<212> DNA
<213> Homo sapiens

<400> 421

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tcggcttcac ctagtctca ggcacaggag cagagaagac tggcgtgtgc cccgagctcc 180
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acagccagtg tcctggccag atgaaatgct gccgcaatgg ctgtgggaag gtgtcctgtg 420
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ccctcttggg ctgaccacag cttctccctt tcccaacca taaagtaacc actttcagca 600
aaaaaaaaaa aaacttgggg gg 622

<210> 422

<211> 1285

<212> DNA

<213> Homo sapiens

<400> 422

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atccggcgag gggccctaaa cttaa 1285

<210> 423

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
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<222> (510)
<223> n equals a,t,g, or c

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<210> 424
<211> 3118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 424
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<210> 425

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 425

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aaaatgaaag tgctttttgc tgcttggtta atgggtaatg cccttgattc cttgactgta 420

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ggagaaacct aaaaaaaaaa ttttttaaaa 1410

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<210> 426

<211> 1422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<400> 426

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gcgaatgatc gcaggagagc acagactgga ccctgctacg atctctcttg gagtggatca 180
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acttgtgctc ctccaactt tgggctgttg ggtgtcctgc cactgttgct cctagtgtc 960
aatctcgttt attcctcctt aatcaagtgt acaacgttgg acactgtgca ggatgatgcc 1020

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cataaacatg tacttaccta agtcctgtcc tttggcaaat tatgggctat gagacacagc 1200
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aaaaaaaaaa aaactcgagg tcgacgggtat cgataagctt ga 1422

<210> 427

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (686)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (809)

<223> n equals a,t,g, or c

<400> 427

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acgccggtct ctgttcgcga gatggggttt gttaaagtgt ttaagaataa ggcctacttt 120
aagagatacc aagtgaatt tagaagacga cgagagggtt aaactgatta ttatgctcgg 180
aaacgcttgg tgatacaaga taaaaataaa tacaacacac ccaaatacag gatgatagtt 240
cgtgtgacaa acagagatat catttgctcag attgcttatg cccgtataga gggggatatg 300
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aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 420
ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 480
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcaggcct tgccagaact 540
accactggca ataaagtttt tggcgcctg aarggagctg tggatggagg cttgkctatc 600
cctyacagta ccaaacgatt ccctggkttat gawtctgaaa gcaaggaatt taatgcagaa 660
gtacatcgga agcacatyat gggccnagaa tggttgcaga ttacatgcgc tacttaatgg 720
gaagaagatg aagatgctta ccaggaacag gttctyttca atwccttaaa gnacagcgta 780
acttccagac catgatggga ggagatgtnt taagaaaagc ttaatgctgg 830

<210> 428

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<400> 428

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gttttgacat ggtacctatc ctttcttccc ttttcaaaag attcgctata gagtctttct 180
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gggtcccccg gttccggcgc ggttgaggcc ttcgggtggtg aacgagtctc cagcaccatg 300
tctggtttgt ctggcccacc agcccggcgc ggcccttttc cgttagcggt gctgcttttg 360
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aagtgcctcc gtgaggagat tcacaaggac ctgctagtga ctggcgcgta cgagatctcc 480
gaccagtctg ggggcgctgg cggcctgcgc agcacctcaa gatcacagat tctgctggcc 540
atattctcta ctccaaagag gatgcaacca aggggaaatt tgcctttacc actgaagatt 600
atgacatgtt tgaagtgtgt tttgagagca agggaaacagg gcggatacct gaccaactcg 660
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gatgtgacac ctcataaaag tgagcttttg actgtagata actcttaaag aaaatgtcat 1560
tttagacaat taaaatattt gtgctcaact gcttggaata aaaaaaaaaa aaaaaaaaaa 1620
aa 1622
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<210> 429

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 429

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agcactgggg gaaacttgct ggtgggtctct cccacaacct tgcccagagt cctttccact 120
aaggagggtga agagaacaga gaaagagatt tccattttctg ctgccagagc tgggtatttg 180
ctgcctgatt ctctgtgttt cctgtttcac cgccaccctt tcaggagaga actacaccag 240
ttcatcatga gggtcaggga agcaaaagct ctcagatgtg tccagggcgt tacttaagaa 300
atgagtatgc agattctgga aggggtgtgg aaaagggtgat cctttacccc caccaggaa 360
aacctgcatt gtgctagcat ggaanaatca tgggctttgg aattaaacct atttggtgga 420
attaaacca tttggtttca aatcccagtt atnacatctg ttaactttgc aaactcacia 480
aaattatttg aaattatctg agttttcatt tnctcacctt ccagaatggg gataatgcct 540
ctgcatc 548
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<210> 430

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 430

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gccgcatgtt cctgcgcttc tactcagata actcgggtcca gcgaaagggc ttccaggcct 120
cccacgccac agagtgcggg ggccagggtac gggcagacgt gaagaccaag gacctttact 180
cccacgcca gtttgccgac aacaactacc ctgggggtgt ggactgtgag tgggtcattg 240
tggctgagga aggtacggc gtggagctcg tgttcagac ctttgagggt gaggaggaga 300
cggactgcgg ctatgactac atggagctct tcgacggcta cgacagcaca gccccaggc 360
tggggcgcta ctgtggctca nggcctcctg aggagggtga ctggcgagg gattctgctg 420
tragtcactc gatacccat accaaaaaag gtttccacct gcgatacacc agcaccaagt 480
tccaggacac acttcacagc aggaaatgac cactggcttr acaagggccg ggactggamc 540
ctgktgccct tgnccgctaa actggataa 569
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<210> 431

<211> 549

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 431
gccggaactt ttgtcgatag gaacgggttt gcacagttag gtgttgtcgg ccggcgtgaa 60
ggagactagg gggccatcct cttcctttcg ccgtcgccgc cgcggagcgg agtcgagccg 120
agctgatttg atcgaggagc gcggttaccg gacgggctgg gtctatggtc gctccgcggg 180
ccgctccgcc ggctggtgct tttttatcag ggcaagctgt gttccatggc agggaaacttt 240
tggcagagct cccactattt gcaatggatt ttggataaac aagatctggt gaaggagcgc 300
caaaaggatt taaagtttct ctcagaggaa gaattattgga agttacaaat attttttaca 360
aatgttatcc aagcattagg tgaacatctt aaattaagac aacaagttat tgccactgct 420
acggtatatt tcaagagatt ctatgccagg tattctctga aaagtataga tcctgtatta 480
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ngggggggg 549

<210> 432
<211> 1221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1183)
<223> n equals a,t,g, or c

<400> 432
cgcacttccc ctctgctggg cgcgcggtgg acggtctgaa agggagtgtt cgggtttcgc 60
tggggcctcg cggctccaga gccagcatg gcttcctcgc gagcctcttc caccgcaacc 120
aaaactaaag caccgcagca cttagtgtct ccggtcgtga agaaaccaca catctattat 180
ggaagtgttg aagagaagga gagggagcgt ctggccaaag gagagtctgg gatthtgggg 240
aaagacggac ttaaagcagg gatcgaagct ggaaatatta atataacctc tggagaagtg 300
tttgaaattg aagagcatat cagcgagcga caggcagaag tattggctga gtttgagaga 360
aggaagcgag ccggcgagat caatgtttcc acagatgact cagagggtcaa agcttgccct 420
agagccttgg gggaacccat cacacttttt ggagagggtc ctgctgaaaag aagagaaaag 480
ttaagaaata tcctctcagt tgctcgtact gatgccttga aaaagaccaa aaaggatgat 540
gagaagtcta aaaagtccaa agaagagtat cagcaaacct ggtatcatga aggaccaa 600
agcttgaagg tggcaagact atggattgct aattattcgt tgcccagggc aatgaaacgc 660
ttggaagagg ccgactcca taaggagatt cctgagacaa caaggacctc ccagatgcaa 720
gagctgcaca agtctctccg gtctttgaat aatttttgca gtcagattgg ggatgatcgg 780

cctatctcct actgtcactt tagtcccaat tccaagatgc tggccacagc ttgttgaggt 840
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aacacaaatg taggagcaat tgtattccat cccaaatcca ctgtctcctt ggacccaaaa 960
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<210> 433

<211> 1115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<400> 433

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acgttkccca ggctgatctc gaacctctgg gctcaagcaa ttcactcgcc tcggcctccc 120
aaaatgctgg gattacaggc ctgagccact gcgcccagcc aggatttgaa ttattttaac 180
tcacccatgg gctgcccctag aatgtcacia atgaggggtg tttaatgcct ttcttatagc 240
tgctactgga acactattat gacctaatat atgagccatc cttactcatc tacaagtgtc 300
gaagcaatgt tacatacttt ttgtctaaac tcagattttt tagcctaatt tctgtgcctc 360
ctatccacct gcacccacac atggcctgca tggggctgcc ttccctgcag tgttctgcag 420
ccatgcttca gggtagatgt gttggtggac agcctcaggt cttgggggca ctatagccac 480
taaacgaggt gtgaaaggct caagaggatg accagcaatt aattatcccc agaaagttaa 540
ggaaaagaga ccttaggga tgttgctggt caagtcttga ttgaccgga gtcaaatcaa 600
tcttcaagca atcttggaat cctcaactgc agtaagcatt tcaaaatgca aacaaactgc 660
ttaacaactg acaagacacc agcccatacg ctgctcttcc aacagtgggt tctagctttg 720
aacaaaagtg ctaaacatct ccttgaatat attcttcttc tttttgtcct catcactcaa 780
tactggtgct cttgtcacag gtagaacagc ttgtttcttt tccatctatt caagtgtgtt 840
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gggtaagaca ttctacagta gcctgtgctg aactgatctc ttaaataaac ttgcttctgg 1080
ttaactaaaa aaaaaaaaaa agggcggygc ctcta 1115

<210> 434

<211> 1604

<212> DNA

<213> Homo sapiens

<400> 434

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gtgacctcct tccagatata aggcagttag gttaaacctg ccacctccag cctgatcca 180
ttctcaccta gcggctacag gaagctgtgt ctgttcgatt tgggtgggagg agatgtgcag 240
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ggaaccctgc ttttctgcag ccaagctgag gggcaggatg cgtgtgggac agtggttagag 360
aagcagggga tagactcata ggctgcaaca aaggtagctc tgtccctgga cactgcctcc 420
gtactttctc cttgcttcac tggccacagc atctccctcc agccctcgct atgtgcctct 480
gccatcttca cccatcatgg agcagaggtg aggagaggca gcctgggaat atggagacca 540
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aaaggccagg agcaccacca gaggaggag ggcagccagc ctccattgac ggcgagcctc 660
cagccctctc ctactttgat caccatttct ctccaggctt tctgcctccg agatgtggca 720
ccatagtgcg gtgccctgtg gcttcaccgc cctacttcca cctccgcccc gcctgtaatg 780
tttatataag cagcctcaag gaccaagaac catctgcgaa aggacacaca caggaaattc 840
ataaaagaaa tctgaatgga taaaaccatg aaaaaaagta tgcttcatta gtaattaaag 900
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gaacaaagtc actgtaattt tcatctttgg tttttctgta atttccaaat tttccacatt 1560
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<210> 435

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<400> 435

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gagttcgagg accggctggc agcctctgag gaggagacgc ggcaggccaa ggccgagctg 120
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gccctcgca ggaaggagga ggccgtgagc agcctccgga cacaacatga ggtgagtccc 240
tgtggccagc cctgctggac ctgggggctg ggancangcc tgaccctgtg ggtgtgctgc 300
a 301

<210> 436

<211> 318

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 436
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cttgatattt acatttaagt cacatatgca gctactgaca cttactagtg ctgttatagt 120
cctggctatt attccatgag gtcgtcacat tttaacctt tgcataagcc tccaacggcc 180
tgatggaatg atgaagcctc agaacagttt ctacacaatg gctaagggat gtacccattt 240
tnaattttcc tcttttctgt gatcacagag ggtgaatacg ctttggccgg atacacagaa 300
gtgaaaactg tcacccat 318

<210> 437
<211> 1882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1795)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1818)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1826)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1844)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1855)
<223> n equals a,t,g, or c

<400> 437
tagcccgtcg ggagcgccag gccggccagg cctgcgccgy cgccgccgcc gccgtcgccg 60
ccgcgccgac catgtcgmag ccaaggagaa cccgtgcagg aaattccagg ccaacatctt 120

caacaagagc aagtgtcaga actgcttcaa gccccgcgag tcgcatctgc tcaacgacga 180
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cgactttgac aaccagtgac accggtctcg gaaatggcag cgacgggttct tcatccttta 300
cgagcacggs ctcttgcgct acgccctgga tgagatgccc acgacccttc ctcaaggcac 360
catcaacatg aaccagtgca cagatgtggt ggatggggag ggccgcacgg gccagaagtt 420
ctccctgtgt attctgacgc ctgagaagga gcatttcata cgggcggaga ccaaggagat 480
cgtcartggg tggttgagga tgctcatggt ctatccccgg accaacaagc agaatcagaa 540
gaagaaacgg aaagtggagc cccccacacc acaggagcct gggcctgccca agtggctgtt 600
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tacgatgtca cagagtatcc agttcagaga aactatggct tccagatata taaaaggag 1440
ggcgagttaa ccctgtcggc catgacatct gggattcggc ggaactggat ccagaccatc 1500
atgaagcacg tgcacccgac cactgccccg gatgtgacca gctcgttgcc agaggaaaaa 1560
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cgctccaaga cctttgactg ggctgagttc cgtcccatcc agcaggccct ggctcaggag 1740
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gggaagctgg agcgggancg tgcaacnaag cgggaggagc gccncaagcg cttcnggatg 1860
ctcgacgcca cagaacgggc ca 1882

<210> 438

<211> 2056

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 438

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gataaaactt tcttttctga tcatgaatca agtatctgtg gtttcatgcc cctctctata 120
cctttcaaag aactcctgaa gcaacttaac tcatcatttc agcctctgag tagaggtaaa 180
acctatgtgt acttctgttt atgatccata ttgatattta tgacatgaac acagaatagt 240
accttacatt tgctaaacag acagttaata tcaaactcctt tcaatattct gggaacccag 300
ggaagttttt aaaaatgtca ttactttcaa aggaacagaa gtagttaacc aaactaacia 360
gcaaaacctg aggtttacct agtgacacca aattatcggg attttaactg aatttaccga 420
ttgactaaga atgaaccaga tttgggtgtg gttttgtttc tatgcaaact ggacacaaat 480
tacaacagta aattttttta taagtgtctt tcccttctcc atgatgtgac ttccggagat 540
aaaggattca aaagataaag acaaagtacg ctcatagttg ttaaccagaa agtcctggct 600
gtggttgtag aacactgtt ggaagaaaag agatgactaa gtcaagtgtc tgccttatca 660
aaagagcaaa aatgcctctg gttttgtgtt tgggagaaaa atatcttgga cgcactgttt 720
tccttgataa aagtcattct ctctactgtg tgaaatgaat acttggaatt ctaattgttt 780
tgtgtgccag gggcagtaat gtccctgcct cttctcccaa tcaaggttga ggagtggggc 840
tggggagagg acttaactga cttaagaagt agggaaaaca aaaacctctc tcctcagcct 900
tccacctcca agagaggagg aaaaacagtt gtctgtgtgc tgtaattcag tttgcgtgta 960
ttttatgtct atgcaccaac ccatacagag taaatctttt atcaactata tactggtgtt 1020
taatagagaa tgattgtctt ccgagttttt tggttccttt tttactgtg ttaaagtact 1080
tgaaatgtat tgactgtgta ctatatttta aaaacaaaat gaaataattt gagttgtatt 1140
acagaggttg acattgttca gggatgggac aaagccttct tcaatccttt tcatactact 1200
taatgatttt ggtgcaggaa cctgagattt tctgatttat atttcatgat atttcacatt 1260
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tcattgcagc ctgaaatttt aaaaaagttg tgtaatacgc caaccagtca agttgtgttt 1440
tgggcagaga ttttagatat tccaatttcc tggctcattt cattgtgctc tatgggtacg 1500
tataaaaagc aagaattctg tttcctaggg aaacattgca actcagggtt aaagtcattc 1560
agtgaactt ttagagccag aagtaacttt gtcccagtc tacaatgtga aaagagtga 1620
tagttgcctc tttttagcca ttttcatggc tggtagatat tcgtacgcac tacttttcag 1680
aatcaatagc cactttcaga tattcttatt tttattctct taagtcttta ttaactttgg 1740
agagagaaat gatgatctt tttattttta atgaagtaga tcaacatggt ggaacaaaat 1800
gataaagaac agaaaacatt tcaatatatt actaataact tttccaata taaatcctaa 1860
aattcctata acatagtatt ttacagtttt atgaagcttt ctattgtgac ttttatggaa 1920
ttaagagatg aagaagatga gatattttag catttatatt tttcaaaatt atatgtatac 1980
ttaaaaaata agtaacttta tgcatttaaa aaaaaaaaaa agggsgggcc gtttttagagg 2040
atccangttt acnncc 2056
```

<210> 439

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<400> 439

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ggcggcgagg rcaggtcgga gctcggagct gctgcttctg gttctcttgt ggccgccgtc 60
gctgtccggc tgccttgggc tgccgaacag acaaggcgtg ggccacagca cctcagaagc 120
cgacgcagct cgacgcaggg gccggcagga ggggtgggcga tcgcgtgtcg gagggcgccc 180
```

```

cgcgggcagg cgggcgggcg ccagagggcg aaagaggcgg gggcgggcgg tcagccgctg 240
gccgggcccgg ccggggaatg tcgatgcccg acgcgatgcc gctgcccggg gtcggggagg 300
agctgaagca ggccaaggag atcgaggacg ccgagaagta ctccttcacg gccaccgtca 360
ccaaggcgcc caagaagcaa atccagtttg ctgatgacat gcaggagttc accaaattcc 420
ccacaaaaac tggccgaaga tctttgtctc gctcgatctc acagtcctcc actgacagct 480
acagttcagc tgcctcctac acagatagct ctgatgatga ggtttctccc cgagagaagc 540
agcaaaccac ctccaaggcg agcagcaatt tctgtgtgaa gaacatcaag caggcagaat 600
ttggacgccg ggagattgag attgcagagc aagacatgtc tgctctgatt tctctcagga 660
aacgtgctca gggggaraag cccttggnctg gtgstaataa akkgggyttg acacattaca 720
g

```

721

<210> 440

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1025)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1030)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1039)

<223> n equals a,t,g, or c

<400> 440

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ctcgtgcgcg gacattgtca gctgcgtttc cgcggtcgcg gttgaggagc tcaagcttgg 60
gaaaaatggtg tgcatcctt gtatcgctcat tccagttctg ctctggatct acaaaaaatt 120
cctggagcca tatatatacc ctctggtttc ccccttcggt agtcgtatat ggcctaagaa 180
agcaatacaa gaatccaatg atacaaacaa aggcacaaag aactttaagg gtgcagacat 240
gaatggatta ccaacaaaag gaccaacaga aatctgtgat aaaaagaaa actaaagaaa 300
tttccctaaa ggaccccatc atttaaaaaa tggacctgat aatatgaagc atcttccttg 360
taattgtctc tgaccttttt atctgagacc ggaattcagg ataggagtct agatatttac 420
ctgatactaa tcaggaaata tatgatatcc gtatttaaaa tgtagttagt tatatttaat 480
gacctcattc ctaagttcct ttttcgttaa tgtagctttc atttctgtta ttgctgtttg 540
aataatatga ttaaatagaa ggtttgtgcc agtagacatt atgttactaa atcagcactt 600
taaaatcttt ggttctctaa ttcatatgaa tttgctgttt gctctaattt ctttgggctc 660
ttctaatttg agtggagtac aattttgttg tgaaacagtc cagtgaact gtgcagggaa 720
atgaaggtag aattttggga ggtaataatg atgtgaaaca taaagattta ataattactg 780
tccaacacag tggagcagct tgtccacaaa tatagtaatt actatttatt gctctaagga 840
agattaaaaa aagataggga aaagggggaa acttctttga aaaatgaaac atctgttaca 900
ttaatgtcta attataaaat tttaatccct actgcatttc ttctgttcct acaaatgtat 960
taaacattca gtttaactgg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaancccn ggggggggnc c

```

1041

<210> 441
<211> 1995
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1957)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1992)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1995)
<223> n equals a,t,g, or c

<400> 441
gcccacgcgt ccgcccacgc gtccgcagca tcacatgtc tgttcgatac agctcaagca 60
agcactactc ttcctcccgc agtggaggag gaggaggagg aggaggatgt ggaggaggag 120
gaggagtgtc atccctaaga atttctagca gcaaaggctc ccttggtgga ggatttagct 180
cagggggggt cagtgggtggc tcttttagcc gtgggagctc tgggtgggggc tgctttgggg 240
gctcatcagg tggctatgga ggattaggag gttttggtgg aggtagcttt cgtggaagct 300
atggaagtag cagctttggt gggagttatg gaggcagctt tggagggggc agtttcggag 360
gtggcagctt tgggtggggc agctttggtg gaggcggctt tgggtggaggc ggctttggag 420
gaggctttgg tgggtggattt ggaggagatg gtggccttct ctctggaaat gaaaaagtaa 480
ccatgcagaa tctgaatgac cgcctggctt cctacttgga caaagtccg gctctggaag 540
aatcaaaacta tgagctggaa ggcaaaatca aggagtggta tgaaaagcat ggcaactcac 600
atcaggggga gcctcgtgac tacagcaaat actacaaaac catcgatgac cttaaaaatc 660
agattctcaa cctaacaact gataatgcc aatcctgct tcagatcgac aatgccaggc 720
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aggctgacat caacggcctg cgtagggtgc tggatgagct gacctgacc aaggctgacc 840
tggagatgca aattgagagc ctgactgaag agctggccta tctgaagaag aaccacgagg 900
aggaaatgaa agaccttoga aatgtgtcca ctggtgatgt gaatgtggaa atgaatgctg 960
ccccgggtgt tgatctgact caacttctga ataacatgag aagccaatat gaacaacttg 1020
ctgaacaaaa ccgcaaagat gctgaagcct ggttcaatga aaagagcaag gaactgacta 1080
cagaaattga taataacatt gaacagatat ccagctataa atctgagatt actgaattga 1140
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tggaagcctc cttggcagaa acagaaggtc gctactgtgt gcagctctca cagattcagg 1260
cccagatatc cgctctggaa gaacagttgc aacagattcg agctgaaacc gagtgccaga 1320
atactgaata ccaacaactc ctggatatta agatccgact ggagaatgaa attcaaacct 1380
accgcagcct gctagaagga gagggaagtt ccggaggcgg cggacgcggc ggcggaagtt 1440
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gcagttccgg cgcgcggtac kgaggcgga gctccggcg cggaagctcc ggcgcggt 1560
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cagttccggc ggcgcggtcg gcggctacgg gggcggcact ccggcgcgcg cacagctccg 1680
gcggcgkata cgcgcggtcg acagctccgg cgcgcgatac ggcgcgcgca cagctccggc 1740
ggcggatacg gcggcggtcg tccagcgagg gccacaagtc ctctcttcc gggctcgtgg 1800

```
gcgagtccttc atctaaggga ccaaggtcag cagaaactag ctggggtaat cagaattagt 1860
tttaacttcc tgtgatgggt tttttgcgct ttaactctag agttgtttta aaaaattaaa 1920
aatcttagag cgggtccggt gcattgttca caactantct taacaccagc cgtgaaaatg 1980
gctgatcaaa tncan 1995
```

<210> 442

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 442

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agcagcactt ccggtacgaa aaactcgctg ctgccccaac ctggcttgac aggcttggtc 60
tctgcaagtg gctctcagcc ccttcttctt tcctgcctca ccttccaatt cgtttgccgc 120
cgccgtcccg cagctgctgt ttccggagtt gccccttccc catgttccgg ggcaggagtc 180
cgcaaagcga agatccgccc gccgggttct catcatgtcc gaactgacta aagagctgat 240
ggagctgggtg tggggcacca agagcagccc cggctctctcg gacaccattt tctgccgctg 300
gacgcaaggg tttgtgttta gtgaatcaga gggatctgca ttagaacagt ttgaagggtg 360
ccctgtgct gttattgcac ctgttcaggc atttcttttg aagaagctcc tgttttcttc 420
ggagaagtct tcttggcggg attgttcaga ggaagagcag aaggaactcc tttgtcatac 480
cttgtgtgat attttagaaa gtgcttggtg tgaccactct ggatcatact gcttggtttc 540
atggttaaga ggaaagacaa ctgaggaaac tgctagtatt tctgggagtc ctgcagagtc 600
tagttgccaa gtggaacatt cttctgcctt ggctgtcgaa gagcttggct ttgagcgatt 660
tcatgcatta attcaaaaaa gatcgttcag aagtttacca gaattaaaag atgctgtctt 720
ggaccagtat tcaatgtggg gaaataaaat tggagtattg ctttttctgt attctgtatt 780
actgacaaag ggcattgaaa acataaaaaa cgaaattgaa gatgcaagtg aacccttgat 840
agatcctgta tatggacatg gcagccaaaag ttaattaat ctccctgtga cgggacatgc 900
tgtttctaata gtatgggatg gtgatagaga gtgctcagga atgaaacttc ttggtatata 960
tgaacaagca gcagtaggat ttttaacact aatggaagct ttaagatact gtaagggttg 1020
ttcttacttg aaatctccaa aattccctat ttggattgtt ggcagtgaga ctcacctcac 1080
cgtatttttt gccaaagata tggctttagt tgcccttgaa gctccttcag aacaagccag 1140
aagagttttt caaacctacg acccagaaga taatggattc atacccgatt cacttctgga 1200
agatgtgatg aaagcattgg acctgtttc agatcctgaa tatataaatc tcatgaagaa 1260
taaattagat ccagaaggat taggaatcat attattgggc ccatttcttc aagaattttt 1320
tcctgatcag ggtccagtg gtccagaatc ttttactgtc taccactaca atggattgaa 1380
gcagtcaaata tataatgaaa aggtcatgta cgtagaaggg actgcagttg tgatgggttt 1440
tgaagatccc atgctacaga cagatgacac tcctattaaa cgctgtctgc aaaccaaatg 1500
gccatacatt gagttactct ggaccacaga tcgctctcct tactaaatt aatttgtcta 1560
agtatttata aggaagatct taataacaga tgttgaaaga aggagtcaag actggcaatt 1620
ggctggatta agctaaccac tggatatcact gattaactgt aaataacaat taaaacaca 1680
ttttcagtgt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1723
```

<210> 443

<211> 1899

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1878)
<223> n equals a,t,g, or c

<400> 443

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cttccgcttc agcctcccaa aatgctgtag gtcacagggg gggctgtcgg ggggctgtta 60
ggtgcctgga tgacaagtgg acagtttaag ccggttcctc agatcctaag ggagctgccc 120
cctgccgagc aacaraggct ctttaacgaa gccgcagcca tcatcaggca cctggagtgg 180
acggacgccg tgcagctgac tgcgctgggtc atgggcagcg aggccctgca gcagcagcts 240
ctggccatgc tgggtgaacta cgtcaccaag gagctgcggg ccgagatcca gtatgatgac 300
taggccgcac ctccggggag gtgrggnkgc ccctttaaag gactctgtga ttctgaagag 360
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tgtattacta gtaatgtccc gctggagagg ccaccgctgt gcagtgtcat gttccagaaa 480
ttactgatga agcagcatgt gttgttgcca tgtgcactgg cctgccatga cagccctctg 540
actggccccc cagtgaagag taaaggcctg cctgccgcag yttcggaggc gtctgctgag 600
tcctctcacc cgcagtgggtc tggggaagtg atcacgctca gccgacggtc tgaccacact 660
tcatcctccc ccgggggcct tctcatcttg ggagatgact cctcttcaga gcacctgctg 720
caggactgga tcccaccccs ctgcaggtec tggggtctca gggccttgga gcagcccatg 780
ctggaatcat gtttacctcc tagtgcaacc gtcccctacc cagggaactgt cgaatggccc 840
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aagtcctggt agttcttgag gtttacttct caaatgaaat atttttagta aaaagtacag 1020
gtatatctcg gagatattgt gggttcagtt ccagaccacc tcggtaaagc caacatcaca 1080
ataaagcaag gaagcgcatg gtttttagttt ccagtgcat ctaagtcatg ttactgcat 1140
attgcagtcc actaaatgtg caatagcatt atgtctaaca aatatacaaa ccttaattta 1200
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aatggtgcc aatagacttg cctgatgcc ggctgtaca aaccttcaat ttaaaaaaa 1320
aaaacagtat tcacaaagca tagtagaatg aggtatgcct gtattgctct ttctgaagt 1380
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gctctcygta actgtggtct ccacatttag atccaaccag ccttgatag gaaatatttg 1500
aaaaaagaaa ttgcattggt actgaacacg tacagacctt tttttcttgc cattattccc 1560
taaacaatat ggtgtagcat atttacatag catttatatt gtatttgga ttataagaaa 1620
tctagagatg atttaaatta tacaggaagg tgtgcgtagg ttacgtgcaa acgctatgcc 1680
attgcccac agggacttga gcacccctcag atgtcgggtg ctgagggttg aggttgagc 1740
cctggaaccc atcccccatg gatactgagg catagctgta ctgtgtgttt tcactttgct 1800
ttcagaacta cgacttgaat gtgatcgatt acaataaatg tttttctaaa aagccaaaaa 1860
aaaaaaaaaa aaaccccnng gggggcccgg taccaattc 1899
```

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<400> 444

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actacaaaaa ggagtgctga agccaatcac catgtaagca agataaaaagc aaaggggggtc 60
ttgcctgccc atctctgttc catacattct taccaggcac tgagagtcac ggggagttta 120
agactccatc ccacatactc cttttgaaac tgggtccagtg tacaacatoc agtgaagagt 180
ataggatggc atagacttac caactcaaag aatggaagga ttctagaaac attatagtcc 240
aacctcctca attcatcggt gatacacaaa ggcccactaa gctgtgtggg tcactcagca 300
tcacgtggct aatatgatat gaagccacac tagcttgtcc tcagctgtgc caagaatgag 360
agctgccttc tccaaacctc aaaccaaccc atggnatcat taacacctct ttnaaatcca 420
tagggcagtg                                     430
```

<210> 445

<211> 2153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<400> 445

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gaatcctact gcacccttgg tttgagtcgg tcttggaaac cgggtacatc gactcagaaa 120
taggaacttc agaccagatt gttccagagt accaggagga cagtgnacat tagttccttc 180
ttctgctaata ccccaaaacc tcagaaacct cataattctt aacacctggc atttccattt 240
ctaaagatgg acaggccctt tggcgtggta ccaaccagat aatgactgca tcaggatgaa 300
agctgctgaa ctgcgcatgg ygcctcctct tctctgttgg gatgagtgac tttattgatt 360
tgagcagcat atgctgtgat tggctgccct gcaaatattgt ttcccttaag gaaccctcac 420
caactatctc tgctggattt gggagtcccg catcttttgt ggagggcaga gtatggacat 480
cttacacccg gtggtcaagt gtgtaataaa cttgagcatt cgaatgggag aaaaagcaaa 540
tcgcacaatg acatatattt agtaataacc gtatttttca cagggtgaca aattggggcca 600
ataaatctgc catctttgaa ctcatcttgg tgggctagac tgctacggca gcttctctga 660
tgggaaaagt ccttttttgg cttaacactc accctttctt cactcaca tttaccaatg 720
actctgctcc gtttttggag cagactgttt taagttgctc aggagcctga tgggaacctg 780
aaccgagact cttctctggt tcctgccaa gacctcatctg cactaatgcc ttctccctga 840
ccttgacact tcccccttta gctataaaa gacttaccag ccgaacgtgg aacagtatca 900
caaaagattc catctcccaa cgatttcaga actctgagct cagagagact ccagatttta 960
aaaaataatt tgagtgttg gaaactatta gctttttaag ttcccttcaa atatgttagt 1020
acctaccctt tactttttcc ccaagaccat ctgagggtgg agcattctgt ctaagagaag 1080
aaagataagg aggtccccc ccacctctcc caagagcaga cattaaacat ctttgtgctt 1140
tgaagagagt gaattttgga tagtcttgtg attctcagac taacttcag aattatactt 1200
taaccctctc cagatatggt ccgcctttgg cattgtgtgt acatctgcag ttttgcatgg 1260
tgggtgttta atatttcaaa tgtgtggttt atgaatacgt ctgtataatc ggcttcttga 1320
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atctctttcc tctttctgcc acctcccaag gcagaaatcc cctcttcagc ttcttttcta 1440
ggtgggaatc cagcctctgt tagatatgtc cagagatgga aactcactcc cctacaaaag 1500
atggagctta atggagaaat tgcaactttc attaaaaaac aaattcagat gaaatatcag 1560
taactgtctt ggacagtgtc gaaatcaggt ggttaaaccg gtaaacaaaa tatactgtat 1620
```

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tttgagaaat ggcacaaaaa caggcagtca tctttaaggg ctatgcctag gcaaactact 1680
aacatgcatt gtgagaatgc cgtgtatacc tcacgtactg tgtactttgt acatatattt 1740
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ttttgttgtc tgtgtctgtc tgaataacct gcgtgtctaa aaccacgtga aatgtgaatg 1860
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ctctgtcgca ctaacgctct cgtggttgct cgactgttgt atctgtgata cattatccga 1980
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```

<210> 446

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 446

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ggcacgagct ggccagctcc gagttctccc atgaagccgt caagacgcac attgacaccg 60
tcatcaatgc cctcaagacg gagcgggacg tcagcgtgcg gcagcgggag gctgacctcc 120
yctacgccat gtgtgaccgg agcaatgcca agcagatcgt gtcggagatg ctgcgggtacc 180
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<210> 447

<211> 1539

<212> DNA

<213> Homo sapiens

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<400> 447
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<210> 448
<211> 3983
<212> DNA
<213> Homo sapiens

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<220>

<221> misc feature

<222> (67)

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<221> misc feature

<222> (227)

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<221> misc feature

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<221> misc feature

<222> (1010)

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<222> (3067)

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<222> (3255)

<223> n equals a,t,g, or c

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<211> 1177

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 449

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<210> 450

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2037)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2343)

<223> n equals a,t,g, or c

<220>
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<222> (2348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2375)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (2387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2420)
<223> n equals a,t,g, or c

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<210> 451

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<211> 963

<212> DNA

<213> Homo sapiens

<400> 452

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cacaggaagc tttagctaga agagaaagac cgggggtctc cttattgtt tgcccaggct 900
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agc 963

<210> 453

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 453

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atccagaaca ctcatatgag tttaagcatt ccagaccaa gaagccacgg agtctaagaa 180
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tgggtatcat agtcctctta gatgtggtac aagcscatgc ttcaaaaaat tccagcagat 480
gggattggaa tatggtttgg atgggggaca gattccnggt taattttcca ttctgggan 540
cctagaaggg gactccatgg atctttnngg ggatagccag aattgtttgg ccncaatccc 600
cagt 604
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<210> 454

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 454

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gatgcccggc ggtgcgtctg gagatgggga cggcgggagt tgagttgtgg cagtagtyga 180
gttgtaattt gtgggcggag gcagkaggag actccccacc cttcaccctt gcccactct 240
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cgtctcccgc cccagggcaa tccccagtc cctccgcct ccacgagagc ctggagctct 360
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<210> 455

<211> 1538

<212> DNA

<213> Homo sapiens

<400> 455

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cctcccagat actatttttt ggatttgggt ggtttttctt catgcgcaa ttgtttaaag 240
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cagagactgt aaaaaaaaaa aaaaaaaaaa gggcggcc 1538

<210> 456

<211> 2189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<400> 456

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aatgtgaagt tacaataaac ttctgcttgt tttctcagaa catctttggc atgaggaaga 240
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ctgtttttga gttggaaaaa ataaaagatg aggtattata agtatgcaa atattttatac 600
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ggacttactg gcacttatta cactgtgata agtggcagaa aagtagaatg aaatattctt 2040

tttccattag atttgttctt atgtgaccat gtaccaagcc agctataaag tattgtattt 2100
ctgtagaata tggaaaaatag tatttgtctt acctttgcta aatgtttgca atttctaagt 2160
aaacctttta tctcctaaaa aaaaaaaaaa 2189

<210> 457

<211> 1399

<212> DNA

<213> Homo sapiens

<400> 457

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gtgcgctcca ccacccccaa gagtggtgcc atctggggcc gtgtggtatt tgccactcag 120
gagacatgtc cctatgacat agcagtgggt agcctggagg aggacctgga tgatgtcccc 180
atccctgtgc ccgctgagca cttccatgaa ggcgaggctg tgagtgtggt gggctttggc 240
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aaaaaaaaa aaaaaaaaaa 1399

<210> 458

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 458

cacgagcggc cacgagattt aatgtttcca aggttagacg ttcacttttt gagacgnttg 60
agtagctttt cacttaattg actagcatgt atgggtttct ttaccagggt ccacaattca 120
ctacacaggt ccagaaaaaa agctgatctc tgaaggcac taggagaagg cagctagaga 180
gggagaattc taattaggcc ggggtcctct gtggcttgaa tgactgaata agtttttata 240
gtcttcaatt cagtgacttc cagattcttc ccaaagaaat ttctagrgat caagagtagg 300

ctcttttcgga agtacttgcc cgtattacac ttttaatttta caaaccaaac aacagcaatt 360
caaccaatca aacaacaaaa acaatccaaa gaaagagact tggacatagg catcaaggaa 420
tcatttcact ttataattta atagaacact ggtgtatcat tcattaattc tgaaagtga 480
aactaaatgt aaaataattt tgtaaggttt gtgaattggt gcctaggtat tctggtgatg 540
tttacttttag tgattttatc attaatgaaa gcaatgtggt tttttagaaa acatattatt 600
agggttcata acgttgacat tctgttggtg caatcataat ctctgtttt gttttagtcc 660
tagctctaca gttgaatgaa tccaagctca cctccaggcc ttttgctat 709

<210> 459

<211> 1283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 459

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actgcacgct ggtaagcaac cgcgtntctc tggtagggga gcacgctggc catgctgcag 120
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<210> 460

<211> 435

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<400> 460
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agaatttcaa atgacatatt acatagtttg taaatgtata tatttggttg actgaaactt 120
aatcataatt tagttcttaa aactatgttg cttgaagtgg caagtagcaa gtactgattt 180
taccagattc aagttgattt ttaaaagtaa ccattggaga aatcggtata catttggttg 240
caggattttt acctcctata actccaccag aaaaagtttt tctttcccag ctgatgctgg 300
cacccccacg ggaactcttc aaaaagacgc ctgccagat tgcactgatg gacgttggaa 360
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agtgtttggg nattc 435

<210> 461
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 461
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tgatgcctgc atgtgggtac ctgggctcca tcaggttcta gatcgccctc cgccctccac 120
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tgggaaacgt gagcgaaacc caaggtgagt ggccgcagcc ttctgctacg tgcctctccc 540
catgtcctaa gtragggtc aggtgagct gccgttgccg agagccttgt gtctgcttcg 600
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<210> 462
<211> 2245
<212> DNA
<213> Homo sapiens

<400> 462
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agtcgtcttt ccaggagcca ggtcccgatg tggaggccta gcgccgagga acagtgtgtg 120
gcacccgcct ggcccgccag acccaccctg ccaacatcaa gttgttcctt ctgctccgga 180
gacccctggg gtgcggccct ggccccctcc acccctgctg ggccagagcg ggtgggcagt 240
gtcaaggccc gctgtctccc aggtgcttgc tgggactcgg ggcggctgca cctggctgtc 300
acctgggtgt gctgctgtga ggggtccttg cgtggccccc atccttcccc caatgcagaa 360

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aagctcatca ggccaagacc cggacagagc ttcagaggag tggtgagtga cacctgagga 540
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2245

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<211> 1280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1016)

<223> n equals a,t,g, or c

<220>

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<222> (1137)

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<400> 463

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cagtgccatc cagtctttac 1280
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<210> 464

<211> 2431

<212> DNA

<213> Homo sapiens

<400> 464

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agctgagcgc ttaagagtga atttgagatt agtcataaat cgccttaaac tattggagaa 180
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2431

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<211> 589

<212> DNA

<213> Homo sapiens

<400> 465

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aaggatggag aaaatgtttc gatgaaagat cctccggact tattggayag gcagaaatgc 540
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<210> 466

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1099)

<223> n equals a,t,g, or c

<400> 466

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gcctgaatgt caataacggg gttccccggc gggcgccgc cgcctcctca gccaccgtcg 180
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<210> 467

<211> 2197

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<400> 467

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<210> 468

<211> 3611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<400> 468

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<211> 520
<212> DNA
<213> Homo sapiens

<400> 469
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<210> 470
<211> 879
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 471

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<220>
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<210> 473
<211> 1840
<212> DNA
<213> Homo sapiens

<400> 473
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<211> 1258

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<400> 474

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<210> 475

<211> 4231

<212> DNA

<213> Homo sapiens

<220>

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<222> (4136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4167)

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<221> misc feature

<222> (4184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4223)

<223> n equals a,t,g, or c

<400> 475

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 <213> Homo sapiens

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<222> (1127)
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<210> 478

<211> 1237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 478

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<210> 479

<211> 1098

<212> DNA

<213> Homo sapiens

<400> 479

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tcctgccgga acaggaggac gcggaaggcc ctgggggtgc agtggagcga ccgttgagcc 180
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ggagtga gcc agcttctttg tcttacttgt cttttgaagg tgcaactaaa agaaacagac 480
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```

<210> 480

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 480

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ggaaccggaa gtgatggcgg acytccggaa accgtagatt ccgggcggtc ggagccggcc 180
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```

<210> 481

<211> 2995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1760)

<223> n equals a,t,g, or c

<400> 481

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atgcatgtaa aaagaaagca actccatcaa ctactaccta atcatgtgct tcagaaaaag 180
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<210> 482
<211> 1248
<212> DNA
<213> Homo sapiens

<400> 482
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tcagaaaaga agaaagtcaa aaataaaact tttgtgtatt acagcaaa 1248

<210> 483
<211> 1862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 483
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aa 1862

<210> 484

<211> 1664

<212> DNA

<213> Homo sapiens

<400> 484

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ctatgctaca gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1664

<210> 485

<211> 969

<212> DNA

<213> Homo sapiens

<400> 485

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<210> 486

<211> 2572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<400> 486

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<210> 487

<211> 1451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 487

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<210> 488

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 488

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<210> 489
<211> 285
<212> DNA
<213> Homo sapiens

<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 489
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tcagcctcct gaagacactg aacaccgcag tgttttccag tcagcaacgc aacaaaatca 180
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gnaaaactta ctatgtccca ggcacaagca ctgactttaa tcttg 285

<210> 490
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 490
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aaaaaaaaaa aaaaaaaaaa aa 682

<210> 491

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 491

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<210> 492

<211> 2709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2160)

<223> n equals a,t,g, or c

<400> 492

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2709

<210> 493

<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1307)
<223> n equals a,t,g, or c

<400> 493
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1451

<210> 494
<211> 1268
<212> DNA
<213> Homo sapiens

<400> 494
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<212> DNA

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